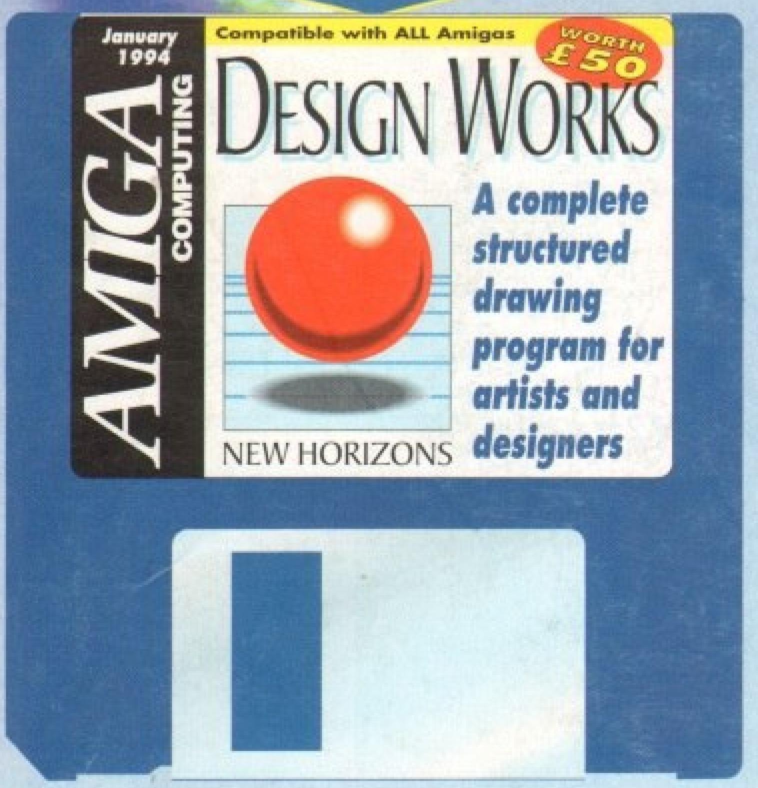
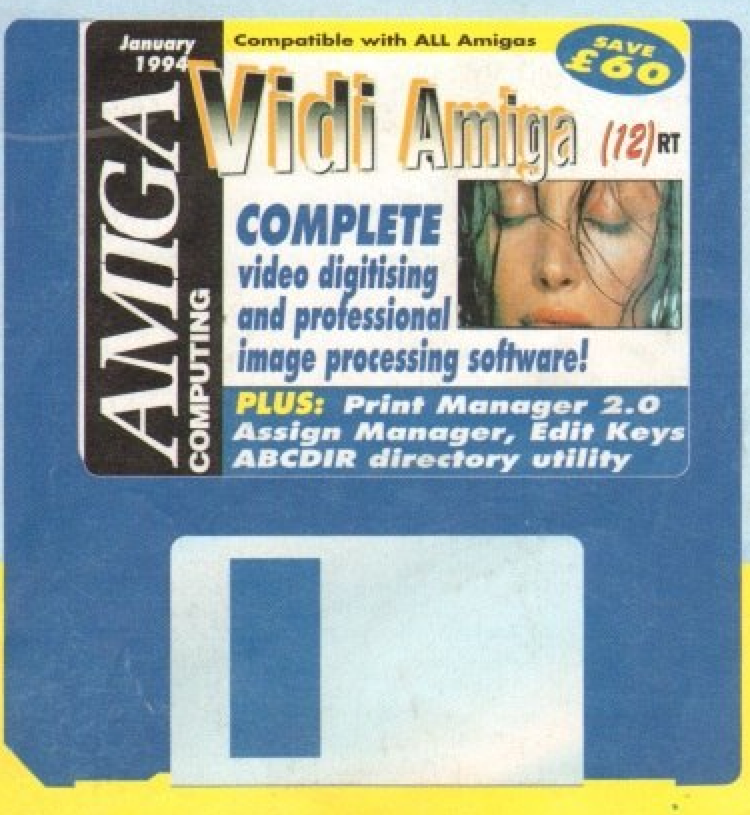
Issue 69 • January 1994 • £3.99 Overseas price £4.25 • Hfl 18.95

AMIGA COMPUTING

FREE! Design Works Vidi Amiga (12) RT
TOTAL VALUE £110





DREAM WORLDS

Virtual reality – the new frontiers

PLUS! Samplers survival guide
Floppy round-up • AC awards
Montage 24 • Show report
Database round-up • Updates
Paint package round-up *and more!*



CUSTOMER CHARTER

INDI Direct Mail is original and very exciting. Before you buy mail order you must first be confident that you will receive the product you've ordered and that the supplier still be there in the future, should you need them.

A mail order purchase from INDI is a safe and secure decision, and here's why.

INDI is a wholly owned subsidiary of a public company now in it's tenth year of trading and specialising in the supply of computer products.

With a turnover approaching £30 million per annum, we have the resources and the purchasing power to offer you the best deals, deliver them next day nation-wide and always be around when you need us.

SALES AND SUPPORT

The INDI sales team have been trained to take your order with the utmost care and efficiency. All stock offered for sale is held in stock, centrally at our group ware house complex and is available for next day delivery, direct to your home or business. If at any time we are out of stock your money will not be banked until the product is available (a point worth checking should you be tempted to purchase elsewhere)

CREDIT FACILITIES

INDI are now able to offer competitive credit facilities on all orders over £200. All credit facilities are subject to status and applicants must be over the age of 18.

If you would like a quote simply call our our sales line where acceptance can normally be notified within the hour. We are also able to offer Credit Insurance to cover repayments in the event of sickness or unemployment.

AMOUNT* OF CREDIT	12 MONTHS		24 MONTHS		36 MONTHS	
	MONTHLY PYMNT'S	TOTAL PAYABLE	MONTHLY PYMNTS	TOTAL PAYABLE	MONTHLY PAYABLE	TOTAL PYMNTS
200	£22.00	£264.00	£12.00	£298.32	£9.31	£335.63
500	£54.99	£659.88	£31.06	£745.44	£23.27	£837.72
1000	£109.98	£1319.76	£62.13	£1491.12	£46.54	£1675.44

APR 29.9% WRITTEN QUOTATIONS AVAILABLE ON REQUEST
*After deposit paid

INDI TELESALES
TEL 0543 419999 FAX 0543 418079
9am - 7pm Monday to Friday
9.30am - 4.30pm Saturday.

AFTER SALES AND SPECIALIST SERVICE

All products are guaranteed for 12 months. Some products carry a 12 months at home service and repair guarantee (where indicated). In the unlikely event that any product purchased from INDI arrives at your home faulty, we will collect from your home and replace the product completely free of charge.

As part of our policy of continual product development and refinement, we reserve the right to change specifications of products advertised. Please confirm current specifications at the time of ordering.

Prices are valid for month of publication only.

Hi,
Some of you have no doubt heard my **Radio 1** announcement that I'm off to the good old **USA** at the end of January 1994. After months of negotiations with my Bosses at the BBC I've landed the job of a lifetime as Radio 1's official West Coast correspondent. I'll be reporting livé and Direct from Los Angeles and San Francisco with the odd Trip to New York thrown in for good measure. And so although I'll be living most of the year stateside I'm still going to be very much part of the Radio 1 network, and best of all I'm definately going to keep you Indi customers updated with all the latest computer news as well as the up to the minute games releases in L.A. and the UK.
So as soon as I've finished working on my suntan I'll be busy on the keyboard, reporting to everyone at Indi as usual.
Keep watching this space.
Best wishes
J.B

Jakki Brambles

STOP PRESS !!! Commodore have today announced that the best selling Amiga CD32 will now have a further two great games bundled with it making 4 in total (5* if you buy from Indi)
Wing Commander - *You are a Starfighter, the best of the best, but nothing in your training prepared you for this. "This is space combat the way it should look". Amiga Power*
Dangerous Streets- *The greatest fighters on earth are ready to do battle with bruising agility that will blow your mind. Take on 8 mighty challengers ready to do battle.*
*whilst stock last



NEW AWARD WINNERS PACK

The superb New Award Winners Pack based aro[und] the A600.Without a doubt this is the best value p[ack] around complete with 4 great games.

Pack Contains:

* Amiga 600 Single Drive
* Built in TV Modulator

4 Great Games

* **Populous** * **Kickoff**
* **Pipemania** * **Space Ace**
* 12 Months at Home Warranty

£179.99

AMIGA 1200/030 PROFESSIONAL PACK

"Approx 1.5 times faster than an A4000/030

This is the ultimate power configuration, if your dream is to own the quickest A1200 ever then take a look at this specification:
* Amiga 1200 * 4Mb 32 - bit Fast RAM (Expandible to an Amazing 128 Mb!!) * Microbotics M1230 XA W/50MHZ MMU (Approx 1.5 times faster than an A4000/030!!) * 12 Months "At Home Warranty" * Choice of Hard Drive Capacities * Optional 50MHZ 68882 FPU Maths Processor.

80 Mb Version	Desktop Dynamite	£889.99
120 Mb Version	Desktop Dynamite	£929.99
170 Mb Version	Desktop Dynamite	£959.99
68882 50MHZ FPU		£132.54

THE WILD WEIRD AND WICKED

A600 is an ideal starter pack containing a considered mix of software, making the most of the Amigas capabilities.

PACK CONTAINS:

* A600 Single Drive
* Built in TV Modulator
* 1 Mb Memory
* Pushover: Grandprix
* Silly Putty: Deluxe Paint II
* Mouse and Manuals
* **12 Months at home service.**

~~£215.99~~ **£199.99**

A600 EPIC PACK (40 Mb H[D])

PACK INCLUDES:
A600 Hard Disks (40Mb)

* 1 Mb Memory
* Epic
* Rome
* Myth
* Trivial Pursuit
* Amiga Text
* Deluxe Paint III
* **12 Months at home servi[ce]**

~~£379.99~~ **£279.[99]**



It's here - The new Amiga 4000/030

The NEW Amiga 4000/030 features a EC68030 processor running at an incredible 25Mhz,(upgradable later) The 4000/030 has a powerful 2 Mb of 32 - bit RAM expandable to 18 Mb using industry standard 32 - bit Simms module. In line with the Amiga 4000/040 the 4000/030 features the AGA graphics chipset, giving you a massive pallet of 16.8 million colours. Without a doubt this is the best value A4000/030 configuration in the UK

4000/030 80 Mb HD **£899.99**

A full range of approved upgrades are available for the 4000/030, including additional memory modules, hard drives, FPU's (68881 &68882)and the 24 - bit Opal Vision graphics and video system

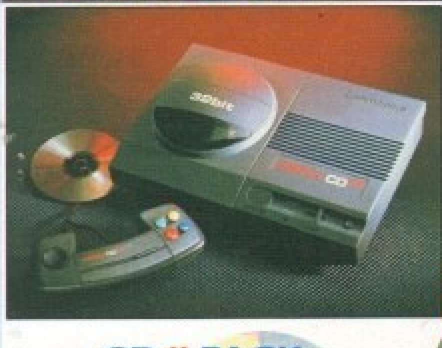
Parnet Adaptor for CDTV

Connect a CDTV player to any Amiga, and access the world of CD-ROM software.The Parnet interface and software will allow the Amiga CDTV to be used as a CD-ROM drive with any Amiga and will give any Amiga owner access to the vast range of CDTV software currently available.

£39.99

AMIGA CD[32]

Plus the latest Hot CD software tit[les]



If you are considering a console w[ithout] compromise. The new Amiga CD3[2] leading edge technology, it's faster with more colours and has superio[r] graphics to any other console on t[he] market. As if that's not enough it's also cheaper and with the promise full motion video next year it's tod[ay's] hot product

ONLY £289.99
with 5 great titles

CD 32 PACK

OSCAR, DIGGERS, WING COMMANDER AND DANGEROUS STREETS
PLUS
INDI EXCLUSIVE
FREE LEMMINGS

Amiga CD[32] Software Tit[les]

Alfred Chicken	~~£25.99~~	£[illegible]
D Generation	~~£25.99~~	£[illegible]
Pinball Fantasies	~~£32.99~~	£[illegible]
James Pond 2 Robocod	~~£29.99~~	£[illegible]
Whales Voyage	~~£29.99~~	£[illegible]
Overkill - Lunar C	~~£29.99~~	£[illegible]
Zool	~~£29.99~~	£[illegible]
Morph	~~£29.99~~	£[illegible]
Sensible Soccer	~~£24.99~~	£[illegible]

Amiga 1200 Microbotics Memory Expansion Boards and Accelerators

Do you want your Amiga 1200 to have more memory or to go faster by simply fitting a board into the external trapdoor? Microbotics have an extensive range of products with the immense benefit of 'Chipup' technology. Most boards have soldered chipsets which do not allow expansion beyond your initial purchase. Microbotics products allow you to add extra memory as your computing skills grow and new software arrives demanding even more memory.

CHIP UP Technology

Memory Expansion Boards

Speed	4Mb	8Mb
14 Mhz	£247.99	£447.99
25 Mhz	£307.99	£517.99
50 Mhz	£377.99	£577.99

Accelerator Boards

Speed	4Mb	8Mb
40Mhz	£365.99	£595.99
50 Mhz	£475.99	£709.99

DON'T SEND ANY MONE[Y]

Until you are 100% certain that any advertiser has the pr[od]uct that you want **in stock** and will deliver it to you **imm[e]diately.**
Far too often Jakki Brambles receives letters from customers who are finding it difficult to obtain a refund from advertiser that has promised to supply but hasn't.
To give you the confidence to purchase **INDI** has joined the **DMA** a very important Independent Authority that demands the highest possible standards from its members. DMA members agree to abide by the British Code of Advertising Practice and to subscribe to the Advertising Standards Board of finance (ASBOF) L[ook] out for the DMA Symbol it is your guarantee signifying to the customer the truly professional edge of the industry.

DIRECT MARKETING ASSOCIATION

The DMA Symbol.

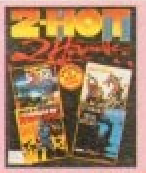
TEL: 0543 419 999 FAX: 0543 418 07[9]

CREDIT AVAILABLE ON 6,12, 18, 24, 36 MONTHS.

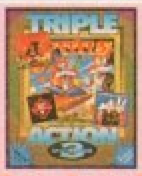
WHY NOT RING NOW FOR A QUOTE. SAME DAY RESPONSE.

LATEST AMIGA 1200 TITLES DISCOUNT PRICES

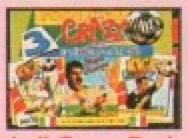
	RRP	INDI
Uridium2 – Classic Shoot 'em up	£25.99	£23.30
lite 2 – Legendary space adventure	£29.99	£27.40
yndicate – A quest for total domination in a world of tomorrow	£34.99	£31.99
Alien Breed 2 – Space age shoot 'em up	£29.99	£27.40
Flashback – Travel back in time to discover your darkest secrets	£30.99	£28.40
Desert Strike – Command an attack chopper and fly where none have flown before	£29.99	£27.40
1 Grand Prix – Test your nerves in this ultimate racing game	£34.99	£31.99
Civilisation – Play God and build your own civilisation	£34.99	£31.99
Premier Manager 2 – Create a winning football team to win the football league	£25.99	£22.99



2 Hot to Handle
4 Great Action Classics
*Golden Axe *Super Off Road *Total Recall *Shadow Warrior
Amiga £13.99
A500 / A600



Triple Action 3
* Titus the Fox* Ghostbuster II * Targhan
£13.99 Amiga
A500 / A600

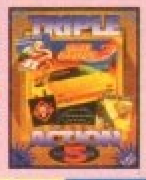


Football Crazy Pack
3 Great Soccer Classic* Kick off 2* The Final Whistle * Player Manager s
£13.99 Amiga
A500 / A600

Triple Action 4
Will really keep you on the edge of your seat
* Blues Brothers * Sultan * Maya
Amiga £13.99
A500 / A600



Triple Action 5
* Crazy Cars
* Grand Prix Master
* Battletech
Amiga £13.99
A500 / A600



EDUCATIONAL SOFTWARE TITLES

Indi have carefully selected these educational titles as the best in their particular area. All educational software is offered at special discount prices

Noddy's Big Adventure (3 - 7yrs)	£17.49
Noddy's Playtime (3 - 7 yrs)	£17.49
ADI French (11 - 12 yrs)	£16.99
ADI Maths (12 - 13yrs)	£16.99
ADI Junior Read (6 - 7 yrs)	£14.49
ADI Junior Count (6 -7 yrs)	£14.49
ADI Maths (13 - 14yrs)	£16.99
ADI English (13 - 14 yrs)	£16.99

EXPORT ENQUIRIES

Did you know that Indi regularly deliver throughout the world? Fax or Telephone us for an immediate response.

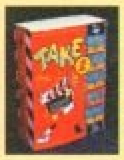
Immediate price quote.
Delivery anywhere in the World in an average 5 days door to door
Very competitive delivery rates.
VAT free export invoices.
Includes free insurance.
Traceable airway bill reference details.
Local telephone contact in your country.

Export Numbers
TEL: (44)543 419999 FAX: (44)543 418079



ROMBO AUDIO VISUAL MEGAMIX. Low cost, hi spec digital effects cartridge plugs into the printer port of the Amiga. Allows stereo sampling from almost any musical source.
INDI PRICE £29.99

TAKE 2. Animation package is a must for computer artists and enthusiasts of all ages. As used in Rolf Harris Cartoon Club.
INDI PRICE £37.99





VIDI AMIGA 12. The ultimate low cost colour digitiser for the Amiga. "The best value full colour digitiser on the market "AMIGA FORMAT.
INDI PRICE £74.99

AMIGA PROFESSIONAL PRODUCTS

ROMBO VIDI AMIGA 12 (RT). Based on the best selling Vidi Amiga 12. This all new version offers real time colour capture from any video source. Full AGA chipset support as standard for all A1200 / 4000 users.
INDI PRICE £129.99

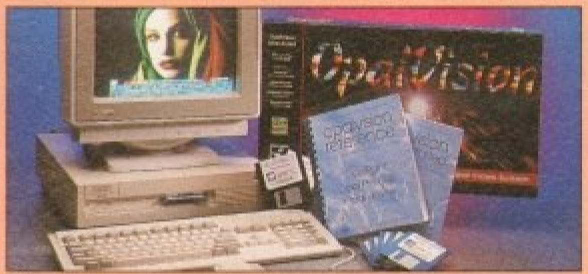
ROMBO VIDI AMIGA 24(RT). For the more serious user, this 24 - bit version will again capture from from any video source with true photo realistic images! A staggering 16.7 million colours can be utilised with incredible results. Full AGA chipset support. **INDI PRICE £219.99**

ROCTEC ROCGEN PLUS. As above but with extra features such as tinting and signal inversion. Allows for real time editing of graphics. Compatible with all Amigas.
INDI PRICE £129.99

ROCTEC ROCKEY. The ultimate accessory for Amiga / Video fans. Separate RGB controls to chroma key on any colour. **INDI PRICE £249.99**

YOUR IMAGINATION IS THE ONLY FRONTIER

The NEW OPAL VISION system(Rev.2)



The amazing Opalvision 24 - bit graphics board and software suite has been updated and is now even better value for money.

The software suite now includes:

Opal Paint V2.0 Now includes full magic wand implementation and Alpha Channel that allows photo compositing with selectable levels on a pixel by pixel basis. The new Chrominance effect allows absolute, real time control of image contrast, brilliance and re - mapping of colours.

Opal AnimMATE V2.0 - ofering real time play back of animations created by ray tracers, landscape generators, morphers and all other 24 - Bit software.

Opal Hotkey V2.0 Display OpalVision graphics anytime with key combinations.

"Quite simply, it's a spectacular product - **Amiga Computing**

"Undoubtedly the finest, most professional paint program to arrive on the Amiga" - **Amiga Format**

"Professional quality at this Price can't be turned away" - **Amiga User International**

"The verdict was unanimous - brilliant" - **Amiga Shopper**

£349.99

MORPH PLUS

You've seen Michael Jackson's video, you've seen the television adverts using the latest techniques in morphing, now now you can create the same results but at a fraction of the cost. Morph Plus is the latest and the ultimate in this technology. Whether you are a professional artist or just want to experiment at home Morph Plus is a must.

INDI PRICE £109.99

DELUXE PAINT IV AGA

Combines powerful tools with an intuitive interface so both professionals and beginners alike can get superb results quickly. New enhancements to the software include the ability to paint and animate in 4696 colours in the Amiga's HAM (Hold and Modify)mode. New animation features also include metamorphosis allowing you to change one image into another. You determine the number of frames and DPaint IV does the rest.

INDI PRICE £61.99

ART DEPARTMENT PROFESSIONAL

The ultimate in image processing providing many key benefits to Amiga users working with pictures. With ADPro you can read, write and convert between most common image file formats with unmatched flexibility. Full support for JPEG image makes it possible to maintain an image library in full 24 - bit colour without needing massive hard drive storage. Typically a 600 Kb image can be compressed down to 40 Kb!!

INDI PRICE £132.99

REAL 3D V2

Is a full featured 3D animation, modelling and rendering program. With Real 3D V2 you can produce high quality images and animations of three dimensional models with an astounding level of realism. Imagine creating an animation that shows a handful of balls bounce down a flight of stairs to the bottom. Gravity, collision, deflection and the elasticity of the balls are all automatically calculated by the program!

INDI PRICE £299.99

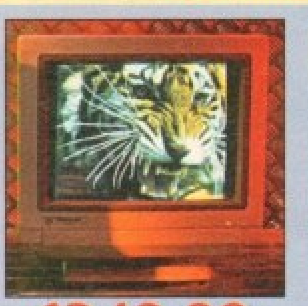
VIDEO DIRECTOR

With Video Director, anyone with an Amiga, a camcorder and a VCR can quickly and easily catalogue and edit the best moments from their video tapes. Video Director is extremely easy to use, you can actually control your camcorder and VCR from your Amiga screen . Video Director comes with everything you need to get started. The hardware to control your camcorder* and VCR is included

INDI PRICE £119.99

*Camcorder must have a LANC or Control L compatible port.

Professional software is imported and sometimes subject to delay. Confirm delivery at time of order.



£349.99

COMMODORES NEW DUAL SYNC MONITOR

1942 MONITOR

This new monitor has been specially designed for the New Amiga 1200 and 4000 computers in order for you to enjoy their fantastic graphics to the full. The 1942 Monitor features built in stereo speakers



1084S MONITOR

Commodores original and best selling colour stereo monitor.
DOES NOT INCLUDE STAND.
(£179.99 if purchased with A600 / A1200 / A1500)

£189.99



NEW

£169.99

SHARP MONITOR / TV

The Superb Sharp 14" Monitor / TV provides a real alternative to a Commodore Monitor with full function remote control 39 channel electronic auto search tuning, digital on screen display and 1.5 watt mpo audio output, all you need to know is the **Low, Low Indi Price.** So, unless you need High resolution graphics look no further, the Sharp Monitor / TV is the product for you complete with connectivity cable and including 12 Months Warranty



ZAPPO EXTERNAL FLOPPY

You've seen all the reviews on this popular and affordable second Amiga drive. Compatible with all Amigas.

£49.99

Quality: 9 out of 10. Exceptional value for money
AMIGA COMPUTING JAN 93

NEW LOW PRICE IDE INTERNAL HARD DRIVES

Indi can now offer top quality 2.5" Internal Hard Drives for the Amiga 600 and 1200 at unbeatable prices. All drives come complete with a cable and installation software.

80Mb	2.5" Internal HD's	£179.99
120Mb	2.5" Internal HD's	£200.99
170Mb	2.5" Internal HD's	£239.99



£99.99

COMMODORE MPS 1230 PRINTER

A high quality 9 - pin printer with paper and tractor feed and is fully compatible with Epsom FX80 and IBM Industry standards. High speed 120 CPS draft mode and an NLQ mode of 24 CPS.

Indi Added Value Free
D - Print - Design greetings cards, letters and posters.
Amiga Logo - Educational and programming language.



2MB SMARTCARD. The original and still the only fully PCMCIA compatible memory card for A600/ A1200. Comes with lifetime guarantee. Beware of cheap imitations.
INDI PRICE £109.99

4MB SMARTCARD.
Same as above but maximum 4MB.
INDI PRICE £159.99



ZAPPY GIFT PACK
A great value pack for all Amiga 600 and 1200 owners * ZAPSAC Rucksac and ZAPPO Multi-coloured T - sh * Commodore disk wallet * Python Microswitched Joystick * Mousemat * 3 Great Games - International Sports Challenge * Paradroid 90 * Cool Croc Twins

£29.99

ZAPPO 601
Trapdoor upgrade for the A600. 1Mb with RTC **INDI PRICE £49.9**

ZAPPO 601 INC
As above only 512K, no clock **INDI PRICE £29.99**

98.7% of Indi Deliveries arrive next day
(Official Securicor Statistics)

TEL: 0543 419 999 FAX: 0543 418 079

TERMS AVAILABLE OVER 6, 12, 24, & 36 MONTHS SUBJECT TO STATUS.

WHY NOT RING FOR A QUOTE. SAMEDAY RESPONSE. (SEE EXAMPLE)

DIRECT MARKETING ASSOCIATION

Panasonic *Quiet* Colour Printing

We researched the colour printer market at great depth to find a colour printer good enough to cope with Amiga's powerful output, yet at an affordable price.
We found the perfect printer in the and KX - P2123 quiet printer.
We then considered that if you were going to buy a Panasonic printer you would probably need a quality word processing package to use with it. We found that too, with 'Wordworth' yet at a retail price of £129.99 we thought that might be a little too expensive on top of your printer purchase! So together with Panasonic we decided to give a copy of 'Wordworth' free with every Panasonic printer. Of course your might be the fortunate owner of a Desktop Dynamite Pack or maybe the idea of word processing isn't for you. Once again Indi have the solution with the alternative of two great games. How's that for added value?

Panasonic KX - P2123



The new high performance Panasonic KX - P2123 24 pin. Quiet colour printer offers leading edge quiet printing technology at an affordable price

* **Fast Printing Speeds** 192 CPS draft, 64 CPS LQ and 32 SLQ.
* **Colour Printing** 7 colour palette (blue, red, green, yellow, violet, magenta, black)
* **Quiet Printing** Super quiet 43.5 - 46 dBa sound level (most matrix printers are typically in excess of 60 dBa)
* **7 Resident Fonts** Over152,000 type styles using Super LQ, Courier Prestige, Bold PS, Roman, Script, and Sans Serif Fonts.
* **24PIN Diamond** Printhead High performance and high quality output
* **1 Year Warranty** for total peace of mind.

£219.99

FREE WORD PROCESSING OPTION

***WORDWORTH AGA COMPLETELY FREE!**

WITH PANASONIC QUIET PRINTERS. The writers choice. The ultimate word processor for AMIGA computers. Wordworth is undoubtedly the ultimate word / document processor for the full range of AMIGA computers. The graphical nature of WORDWORTH makes producing documents faster and easier, with the enhanced printing fonts (including full Panasonic KX - P2123 colour printing support), Collins spell checker and thesaurus, no other word processor comes close. "Without doubt this is one of the best document processors for the AMIGA, Today" (Amiga Format) **NORMAL RRP £129.99 inc. VAT**

INDI ALTERNATIVE

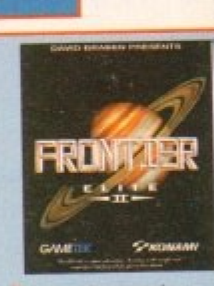
FREE GAMES OPTION

FRONTIER ELITE II

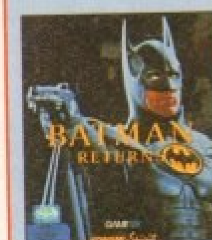
New Game

You may choose from many different roles from explorer to assassin, from stockbroker to trader. Battle with pirates across a galaxy of different worlds, trade or smuggle goods or become a pirate yourself. The goals to aim for are endless, the game is completely open ended.

£29.99 FREE OPTION



"The ultimate in space adventure frontier is the important step for ward for games this decade "- CU Amiga 97%



BATMAN RETURNS

New Game

A massive 7 disk program, from the first film simulation vastly different to the console version with vivid scenes straight from the hit movie. Batman has returned in style.

£29.99 FREE OPTION

New Hot Title, indicated delivery 20 December

Panasonic LASER PRINTER

KX - P4410 LASER PRINTER





WORDWORTH AGA COMPLETELY FREEWITH PANASONIC LASER PRINTERS. The writers choice. The ultimate word processor for AMIGA computers NORMAL RRP £129.99 inc VAT

KX - P4430 LASER PRINTER



Once again INDI have joined together with Panasonic to offer all Amiga owners the most outstanding Laser Printer offer ever. We are now able to offer high quality, professional laser printing at affordable prices. We are also giving away a copy of Wordworth with every Panasonic Laser Printer purchased (RRP £129.99). Whether you are looking for a laser printer to handle word processing, DTP, presentation or complex graphic applications - the Panasonic range offers you the power to meet your requirements.

KXP - 4410

SAVE £50

* 5 pages per minute
* 28 resident fonts
* Optional 2nd input bin(total printer capacity 2 x 200 sheets)
* Low running costs
* Parallel interface
* Optional memory expansion to 4.5 Mb (0.5 as standard)
* HP laserjet II Emulation

INDI 320002

NEW LOW PRICES!

£499.99 inc. VAT

WORDWORTH AGA COMPLETELY FREE WITH LASER PRINTERS

Panasonic 2 YEAR ON-SITE WARRANTY

KXP - 4430

SAVE £50

* Satinprint (optimum resolution technology)*
* 5 Pages per minute
* HP Laserjet III Emulation, PCL 5
* 8 Scalable fonts & 28 bitmap functions
* Optional 2nd input bin (total printer capacity 2 x 200 sheets
* Optional memory expansion to 5.0 Mb (1 Mb as standard)

INDI 320003

NEW LOW PRICES!

£649.99 inc. VAT

*(Satinprinters use optimum resolution technology to produce truly outstanding print quality. This software technique smooths away traditional jagged edges on curved characters and lines by varying the printed dot size

WORDWORTH AGA COMPLETELY FREE WITH LASER PRINTERS

Panasonic PRINTER ACCESSORIES



1) **PANASONIC AUTOMATIC SHEET FEEDER**
Automatic sheet feeder for KXP 2180/ KXP 2123 holds 80 A4 sheets. **INDI PRICE £89.99**

2) **PRINT DUST COVER**
Specially tailored quality dust cover for Panasonic KXP 2180/ KXP 2123 printer. **INDI PRICE £8.99**

3) **PRINTER STAND**
2 piece printer stand. **INDI PRICE £9.99**

4) **PAPER PACK**
500 sheets quality A4 paper. **INDI PRICE £9.99**

5) **CONTINUOUS PAPER**
2000 sheets 1 part listing paper. **INDI PRICE £19.99**

6) **PARALLEL PRINTER CABLE**
To be used when connecting Amiga to Panasonic printers. **INDI PRICE £8.99** (£5.99 if purchased with a printer)

7) **PANASONIC COLOUR RIBBON**
Colour ribbon for KXP 2180/ KXP 2123. **INDI PRICE£18.99**

8) **PANASONIC BLACK RIBBON**
Black ribbon for KXP 2180/ KXP 2123. **INDI PRICE £9.99**

SAVE £££'S ON THE FOLLOWING ACCESSORY PACKS

PACK 1
PANASONIC COLOUR RIBBON PACK
Contains 6 colour ribbons for the KXP 2123 RRP £119.99.
INDI PRICE £89.99 SAVE £30!!!

PACK 2
PANASONIC RIBBON PACK
Contains 2 black and 4 colour ribbons for KXP 2180/ KXP 2123.RRP £99.99.
INDI PRICE£69.99 SAVE £30!!!

PACK 3
PANASONIC DELUXE ACCESSORY PACK
Contains automatic sheet feeder, 2 black ribbons, 2 colour ribbons, 1 dust cover, 2 piece printer stand. RRP £169.99 **INDI PRICE £139.99** SAVE £30

Add £2.50 carriage to all printer accessories or combinations thereof

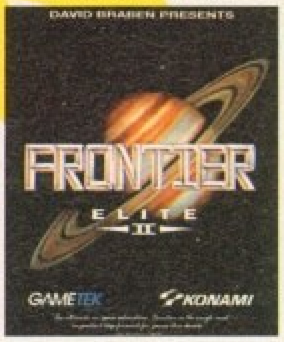
TEL: 0543 419 999 FAX: 0543 418 079

FREE 2 CLASSIC GAMES

EXPLOSIVE DESKTOP DYNAMITE DEAL FROM INDI !!

INDI DIRECT MAIL

THIS MUST BE THE BEST VALUE DEAL EVER AND NOT SURPRISINGLY IT'S INDI THAT SHOWS THE WAY. THE GREAT VALUE **DESKTOP DYNAMITE PACK** WITH OVER **£300** OF **FREE** SOFTWARE **PLUS** 2 NEW CULT GAMES **PLUS** A NEW LOW LOW PRICE



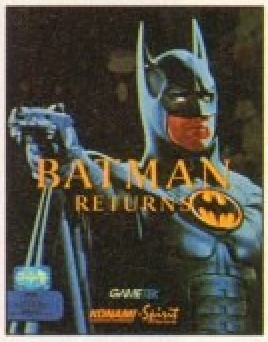
FRONTIER ELITE II

NEW GAME
You may choose from many different roles from explorer to assassin, from stockbroker to trader. Battle with pirates across a galaxy of different worlds, trade or smuggle goods or become a pirate yourself. The goals to aim for are endless, the game is completely open ended. **£29.99 FREE**

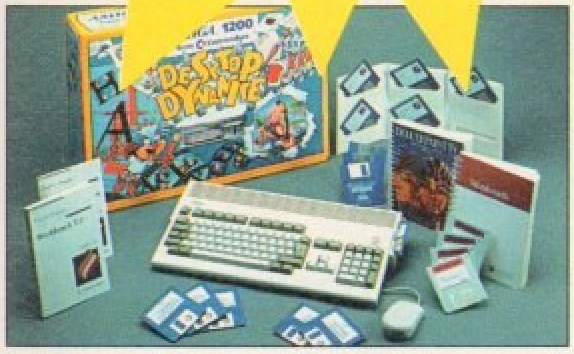
BATMAN RETURNS

NEW GAME
A massive 7 disk program, the first true film simulation vastly different to the console version with vivid scenes straight from the hit movie. Batman has returned in style **£29.99 FREE**

New Hot Title, indicated delivery 20th December



NEW DESKTOP DYNAMITE PACK



A1200 STANDARD FEATURES.
*68020 Processor *PCMCIA Slot *2MB Chip RAM *3.5" Internal Drive *AA Chipset *Built in TV modulator *Alpha numeric keypad *12 Months at home maintenance.

FREE
* Wordworth AGA * Print Manager * Deluxe Paint IV AGA * Oscar AGA * Dennis The Menace AGA

£339.99 With 2 great Free Games

NEW DESKTOP DYNAMITE H.D PACKS

80 Mb Hard Drive Pack	£509.99
120 Mb Hard Drive Pack	£559.99
170 Mb Hard Drive Pack	£599.99

12 Months At Home Warranty from ICL

DeskTop Dynamite / Panasonic Colour Printer Pack

The superb Desktop Dynamite Pack
PLUS
The Best Selling Panasonic KXP 2123 Quiet 24-pin Colour Printer.
PLUS
Two new cult games from Gametek Frontier Elite II and Batman Returns

£529.99 SAVE ££££'s

WARNING

Some advertisers are fitting 3.5" drives to Amiga 1200. The Amiga was never designed to accept 3.5" drives and fitting one totally invalidates any Commodore Warranty. Indi only offer official 2.5" IDE drives officially accepted by Wang, ICL and Commodore.

DESPATCH

All orders received by 6pm Monday to Friday are despatched sameday for delivery using our national courier - Securicor. (UK Mainland only). Saturday deliveries are available at a small surcharge. If you are out when we deliver, a card will be left at your home giving you a contact telephone number to arrange a convenient re - delivery.
Delivery queries can be resolved immediately using our on - line computer.
Cheque orders are despatched immediately on cheque clearance, usually 10 working days from receipt. A delivery charge of £5.00 is made per item unless otherwise stated.
WE ALSO ACCEPT B.F.P.O. ORDERS (DUTY FREE) CARRIAGE CHARGE AT UK POSTAL RATES.

INDI DIRECT MAIL *in partnership with* ICL

We'll pick it up from your home , bring it back in 5 days, give it 12 months on site warranty and that's just the beginning.....

When the time comes that you just have to fit a Hard Drive to your Amiga 1200 or 600 it is important that your Amiga is handled by the **EXPERTS.**

ICL are a giant International Computer Manufacturing and Repair Company and have been chosen by Commodore as their authorised warranty company for Amiga product.

Through INDI the Nationwide resources of ICL will guarantee that your Amiga is treated with the care and expertise that it deserves.

But that is just the beginning, your new Hard Drive will be given a full 12 Months At Home Warranty cover. Yes, if there is a warranty problem we will come to your home to fix it.

Of course what's the point of having at Home cover on your Hard Drive and not on your Amiga. So as part of the deal ICL will add further 12 months at Home cover to your Amiga Completely **FREE**

Door to Door 85 Mb Hard Drive Enhancement Service £239.99
Door to Door 120 Mb Hard Drive Enhancement Service £279.99
Door to Door 170 Mb Hard Drive Enhancement Service £319.99

Complete with 12 Months At Home Service through ICL
INDI DIRECT MAIL in partnership with ICL
* Amiga 120 must be in full working order

Extended Warranty on Commodore Products 'For Peace of Mind'

For as little as £39.99 ICL the major European computer giant are able to extend the At Home service on most new Commodore Products to a full 3 years. ICL are the main authorised Commodore Warranty Company and can offer a variety of warranty options to suit all needs. Why not call for details.

HOW TO ORDER

BY POST - Simply fill in the coupon below.
BY PHONE - phone lines open9.00am - 7.00pm Mon - Fri. 9.00am - 4.30pm Sat. - where your call will be answered by one of our INDI sales team. After 7.00pm each day your call will be answered by answerphone. If you would like to place an order have all the details at hand including credit card. All offers subject to availability. Prices correct at time of going to press. May we suggest you call before ordering.

SEND YOUR ORDER TO:
INDI DIRECT MAIL
1 RINGWAY INDUSTRIAL ESTATE,
EASTERN AVENUE,
LICHFIELD
STAFFS. WS13 7SF

AC0194

Please send 1)..........
2)..........
3)..........
Price.......... + Delivery.
I enclose cheque/ PO for £..........
or charge my Access/ Visa No..........
Expiry....../....../......
Signature..........
Name..........
Address..........
....
....
Postcode..........
DaytimeTel..........

TEL: 0543 419 999 FAX: 0543 418 079



We are recognised in the Amiga community as one of the leading specialists in Hard Drives and Mass Data Storage.

AMIGA A4000/040

The flagship of the Commodore Amiga range. Based around the 68040 processor. Comes with a Hard Drive, 2+4 RAM and WB 3.0.

85 Mb version – £1899	340Mb version– £2069
130Mb version – £1919	426Mb version– £2149
200Mb version – £1939	540Mb version– £2299
250Mb version – £1979	

AMIGA A4000/030

The same specifications as it's big brother but designed around the 68030 processor. The A4000/030 comes with a Hard Drive, 1+1 RAM and WB 3.0.

(FOR 2+2 PLEASE ADD £69)

85 Mb version – £899	340Mb version– £1099
130Mb version – £969	426Mb version– £1199
200Mb version – £999	540Mb version– £1299
250Mb version – £1039	

AMIGA A1200

The A1200 sports many of the features of the A4000 series. Based around the 68020 processor with 2Mb of RAM and WB 3.0 as standard. A full range of Hard Drives are also available for the A1200.

Basic A1200 - £289	120Mb H.D version - £494
40Mb H.D version - £388	170Mb H.D version - £528
60Mb H.D version - £445	200Mb H.D version - £548
85Mb H.D version - £468	256Mb H.D version - £578



DESKTOP DYNAMITE PACK

The desktop Dynamite Pack contains 5 pieces of software written specifically for the AGA chipset, which includes DpaintAGA, WordworthAGA, Oscar and other with a total street value of over £300.
(PLEASE ADD £40 FOR DTD PACK)

GRAPHICS AND VIDEO

REAL3D 2	£378.50
ART DEPT PRO	£134.99
MORPH PLUS	£136.99
DPAINT 4 AGA	£ 66.00
DPAINT 4	£ 59.99
SCENERY ANIMATOR 4	£ 54.99
VISTA PRO 3	£ 44.99
MAKE PATH	£ 23.99
TERRAFORM	£ 23.99
SCALA MM210	£ P.O.A
SCALA MM300	£ P.O.A

UTILITIES

X-COPY PRO	£ 31.99
GB ROUTE PLUS	£ 32.99
LATTICE C V6.1	£259.99
DIRECTORY OPUS	£ 46.50
VIDEO BACKUP SYSTEM	£ 49.95
QUARTERBACK TOOLS	£ 47.50
DEV PACK 3	£ 53.99
VIDI AMIGA 12	£ 81.95
DISTANT SUNS V4.2	£ 39.99

MUSIC

STEREO MASTER	£ 29.99
BARS & PIPES PRO	£215.99
TECHNOSOUND TURBO	£ 58.50

WORD PROCESSOR & DTP

WORDWORTH 2	£78.99
FINAL COPY 2	£74.99
PENPAL	£28.95
PAGESETTER 3	£43.99
PRO DRAW V3.0	£64.99
PRO PAGE V4.0	£89.99

GAMES

CIVILISATION AGA	£ 39.00
CIVILISATION AGA UPGRADE	£ 19.00
(SEND YOUR DISKS AND DETAILS)	

PRINTERS

CITIZEN	
CITIZEN 240	£212.00
CITIZEN 240C	£234.00
PANASONIC	
KXP 2123 COLOUR	£210.00
KXP 2023	£178.00
HEWLETT PACKARD	
HP 500C	£290.00
HP 510	£246.00
HP 550C	£490.00





OVERDRIVE 35

These external hard drives come in an ABS box styled to match the Amiga A1200. They plug in via the PCMCIA slot and include an external PSU so as not invalidate your Commodore warranty. Ultra fast transfer rates of up to 2Mb/sec. Full 1 year warranty, all the software needed to mount and configure the drive is included.

130Mb version – £299	340Mb version – £449
200Mb version – £349	426Mb version – £549
250Mb version – £399	540Mb version – £699

A1200 UPGRADES

GVP SCSI/RAM BOARD

This board is user fittable via the trapdoor expansion slot of the A1200. It has slots for up to 8Mb of 32bit RAM, a maths co-pro and includes a SCSI interface as standard.

0Mb / NO FPU	£179.00
4Mb RAM/33MHz FPU	£349.00
SCSI CABLE KIT	£ 59.00

GVP A1230 BOARD

Another quality trapdoor expansion for the A1200. It features a 68030 processor as standard and has slots for a maths co-pro and up to 8Mb of 32bit RAM.

0Mb / NO FPU	£269.00
4Mb RAM/40MHz FPU	£439.00

GVP ACCESSORIES

33MHz 68882 FPU	£ 99.00
40MHz 68882 FPU	£129.00
1Mb 32bit RAM	£ 64.00
4Mb 32bit RAM	£153.00

DKB RAM BOARD

This budget expansion board fits via the trapdoor. It has 2x32bit SIMM sockets for up to 8Mb of memory, a 16MHz 68881 FPU, and a battery backed clock fitted as standard.

DKB with 0Mb RAM/68881	£ 99.00
DKB with 1Mb RAM/68881	£129.00
DKB with 4Mb RAM/68881	£229.00

IDE INTERNAL HARD DRIVE KITS

These kits come complete with screws, instructions and all the software necessary to prep and configure the drive.

40Mb–£139 60Mb–£119 80Mb–£179
120Mb–£279 209Mb–£399

A4000 UPGRADES

PHOTON (FOR A4000/030)

This board wil transform an Amiga A4000/030 into a fully fledged 040. It features a 040 CPU module with a MMU and a built-in FPU running at 25MHz.

PHOTON UPGRADE £699

HELLFIRE (FOR A4000/030)

This is a replacement CPU board for the A4000/030. It features a 50 MHz clock speed, a built in MMU and a 50 MHz 68882 FPU. Your 030 will only be 10% slower than an 040 during most operations.

HELLFIRE UPGRADE £299

DKB 128

The DKB 128 is a 0 wait state memory expansion board for the A4000 series. It has slots for up to 128Mb of 32bit RAM using SIMMS of any size. It is a true ZORRO 3 card which makes for a very fast board.

DKB BOARD (BLANK) £269 (See chips for memory)

HARD DRIVES (A1200 & A4000)

These Hard Drives can be fitted at any time by us (FOR THE A1200) or the end-user. All the necessary software is included.

85Mb – £129.00	330Mb – £299.00
130Mb – £149.00	426Mb – £369.00
200Mb – £199.00	540Mb – £399.00
250Mb – £249.00	
FITTING FEE FOR A1200	£ 29.00

CHIPS

1Mb SIMM	£ 39.00
4Mb SIMM	£134.00
25MHz 68882 FPU	£ 89.00
33MHz 68882 FPU + CRYSTAL	£ 99.00
40MHz 68882 FPU + CRYSTAL	£129.00

CD32 CONSOLE

This machine represents the future in home entertainment and video game play. A self-contained CD console which you can expand into a full CD based home computer. CD32 comes complete with two stunning AGA games.

ALL FOR JUST £279

We offer a full fitting, installation and advice service to anybody interested in upgrading or adding a Hard Drive to ANY system.

A full range of Amiga products are available from our mail order service at:-

SOFTWARE DEMON Ltd.
(0736) 331039

CONTENTS

AMIGA insight

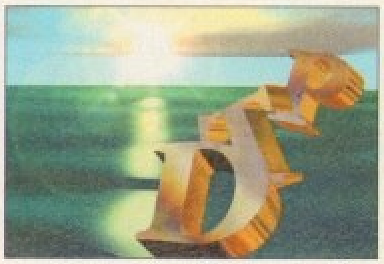
Nine pages for enquiring minds

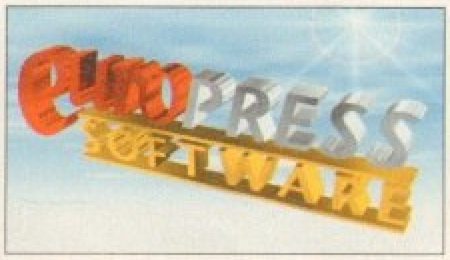
The most authoritative monthly columns in the business, covering all areas of specialised Amiga activity

FEATURES



REVIEWS





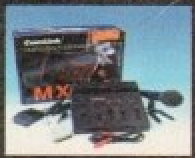
GAMER

This month we are packed full to capacity with some of the greatest Amiga games that money can buy.

GAME REVIEWS

Amiga Market

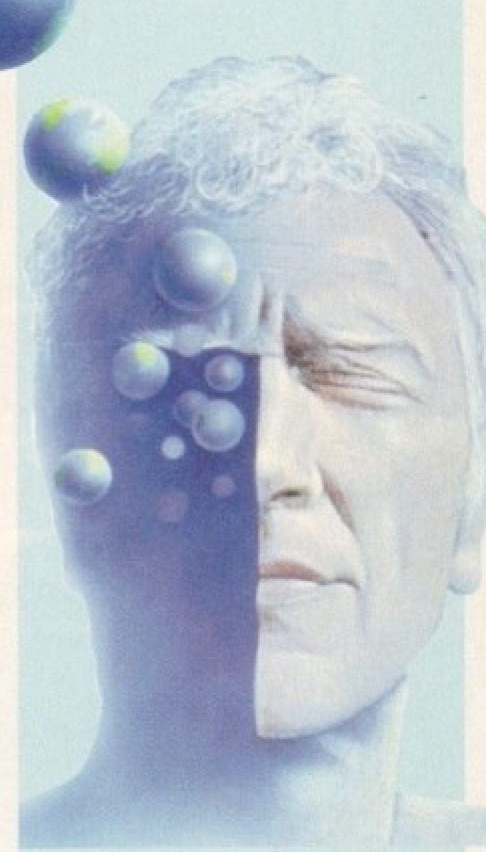
Consumers' corner gets into full swing once again with yet more software, hardware and sound advice





NEXT MONTH ON SALE JANUARY 13th

COVER STORY



Unearth all there is to know about virtual reality, past, present and future as Adam Phillips explores the undiscovered country within the mind of the machine. Turn to page 32 now!

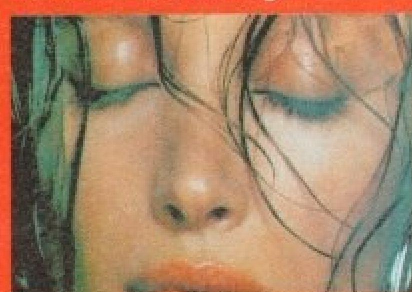
The COVERDISKS

Two disks packed with commercial and shareware software to suit every taste



Vidi Amiga

The ultimate videographic giveaway, an amazing image processing package with a chance to add the hardware for next to nothing.



DESIGN WORKS

Structured drawing made simple with our fully functional giveaway that any Amiga fan would be mad to be without

Print Manager 2.0
Take the pain out of the printing process with this essential utility for any author

Assign Manager
Make your assigns work for you. A complete management system – you'll never need to reboot again

Edit Keys
Create you own custom keymaps or edit your existing ones

ABCDir
A flexible and friendly file manager that'll make AmigaDOS easier than ever

Turn to page 22

REGULARS

BSB offer!
An extra special collection of books, videos and packs to suit beginners and A1200 users – page 72



Competition



Colin Curly makes an appearance offering ten copies of Push Over and five copies of One Step Beyond to the winners of this great game competition **page 98**

Subscriptions

Don't miss AC ever again and gain a few freebies in the process. Page 122



Merry Christmas from HiSoft



Silsoe Village Scene by Gordon Chambers, typeset by Leaside Graphics, Luton.

It's that time of year again, frosty mornings, roaring log fires, red noses … and all those presents to buy.

We know how difficult Christmas buying decisions can be so, to make life just a little easier, we've come up with some splendid gifts for the Amiga lover in your household, at bargain prices.

From programming languages to real-time video digitisers, we have something that should appeal to any discerning Amiga enthusiast who wants to get the most out his Amiga computer during the festive season.

To take advantage of these bargain buys just call us on 0525 718181, armed with your credit/debit card details, or write to us enclosing a cheque or postal order. We will despatch goods within 5 working days or, for an extra £5 postage, the same day on a 24 hour delivery, right up to Christmas. Please quote reference AMX938 when ordering.

Languages

Power BASIC Ver 1 - AmigaBASIC compatible compiler	£20*
HiSoft Devpac Ver 3 - latest 680x0 assembler/debugger	£55
HighSpeed Pascal - a complete Turbo Pascal 5 compatible compiler/editor system	£70
TurboText - programmer's editor	£50

Books

Mastering Amiga Assembler	£20
Mastering AmigaDOS 3 A-Z Reference	£18
Mastering Amiga Printers	£16
Mastering Amiga AMOS	£16
680x0 Assembler Programmer's Reference	£10

Business

K-Spread 2 / K-Data Pack - combined spreadsheet, database package	£25
Personal Finance Manager Plus - integrated home accounts	£15
SBase 4 Personal - superb relational database	£99
SBase 4 Professional - the best	£199

Music/Video

Megalosound - new 8-bit stereo direct-to-disk sampler	£29
VideoMaster AGA/RGB - new A600/A1200 real-time video & colour image capture package	£99
Clarity 16 - high-quality, 16-bit stereo sound sampler	£99
AudioMaster 4 - sample editor	£50
ProMIDI Interface	£20

HiSoft
High Quality Software

The Old School Greenfield
Bedford MK45 5DE UK.
Tel +44 (0) 525 718181
Fax +44 (0) 525 713716

*Products marked with a * are at very special prices and are not upgradeable to later versions*

Credit/Debit Card Orders 0525 718181

Just call, quoting your Access/Mastercard/Visa/Switch/Connect card number and expiry date and we will despatch the goods within 5 working days. For an extra £5 we will despatch the day of order by ParcelForce 24 hour service.

VISA Access

all offers subject to availability and only valid until 31/1/94.

© Copyright HiSoft 1993, E&OE

NEWS

by John Butters

CBM operating costs slashed

COMMODORE have substantially slashed their operating costs, but continue to lose money – $356 million in financial year 1993 and $9.7 million in the first quarter of the current financial year.

A statement at the end of last year's report says the firm's financial position and operating results raise substantial doubts about their ability to continue as a going concern.

Another says the company were trying to work out new credit terms with suppliers that had restricted credit but there was no assurance such arrangements could be made.

The loss was blamed on intensely competitive pricing pressure and economic softness in all their major markets, inventory write-downs, restructuring costs and discontinuation of the PC line.

The shortfall wiped out shareholders' equity, which slumped from $325 million on June 30, 1992 to a deficit of $53.2 million on June 30, 1993.

Details of the firm's first quarter 1994 results were given with the 1993 figures. They showed that during the three months ending September 30, Commodore lost a further $9.7 million. This was down from $18.8 million in the corresponding period in 1992, as were sales from $158.6 million in 1992 to $82.6 million.



Gould: Addressing financial difficulties

Recently the company have been cutting their costs around the world, with several European offices now closed and their after sales support controlled from Germany.

The benefits of these savings are now starting to be seen, with the operating expenses being slashed in the first quarter to $13.7 million from $39.5 million in the same period during 1993.

The first quarter loss gave Commodore a negative equity of $61.2 million, and no updates were given to their end of year footnotes.

"Clearly the financial performance for the fiscal year was extremely unsatisfactory," said Commodore chairman Irving Gould.

"The company have addressed their current financial difficulties by restructuring their business in a number of ways including eliminating unprofitable product lines.

"These actions have resulted in improved operating performance enabling substantial narrowing of the operating loss for the quarter ended September 30, 1993."

In Britain Commodore's joint managing director Colin Proudfoot said that although the company are in a weak financial position they will continue spending on the Amiga's future.

"It is essential to keep the product range up to date and development is continuing as a priority," he said.

Proudfoot added that the firm are confident that the success of CD32 will give the firm a second quarter profit.

Amiga-bashing video dropped

ACORN have voluntarily dropped an Amiga-bashing Archimedes home computer video promotion after Commodore instigated legal action to prevent its distribution.

The tape was produced by the Cambridge-based manufacturer and was billed as a beginner's guide to using home computers in the office and classroom.

The Home Computer Minefield had been available through reply coupons and telephone numbers advertised in national newspapers.

Commodore had earlier obtained a temporary High Court injunction stopping further copies being sent out, and now intend to take the case to trial unless there is an out of court settlement.

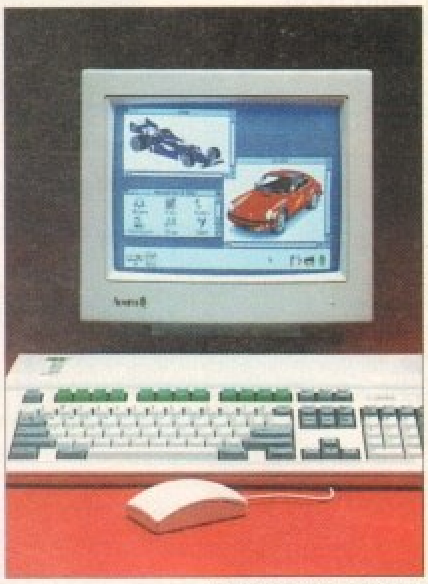
Sources close to the firm say that although the video has been withdrawn, the company will seek costs to cover management time spent dealing with the dispute.

They argue the tape gave a misleading impression of the Amiga, and claim it was made merely used as a means of knocking the performance of six competitor machines.

The firm say it implied their computers are only suitable for games and cannot handle more serious applications as shown in the video.

In court they produced a long list taken from a current computer magazine showing graphics, education, desktop publishing and accounts software for the A1200.

Acorn were unavailable for comment at press time but we understand a replacement video is due from the firm within the next few weeks.



Archimedes: Acorn video dropped after CBM object

Buyers' new bundle of fun

A BUNDLE containing four award-winning games from the past year will soon be offered to people buying Amigas from independent computer dealers. The Chaos pack has been put together by trade distributor SDL and contains the titles Chaos Engine, Syndicate, Nick Faldo's Golf and Pinball Fantasies.

Most dealers buying stock from SDL are expected to give their customers the pack with machines bought at the computer's recommended retail price. "We have created a pack that dealers can offer their customers with Amigas," said SDL spokesman Andy Leaning.

"It features the four best games of 1993 and is undoubtedly the best Amiga games pack so far."

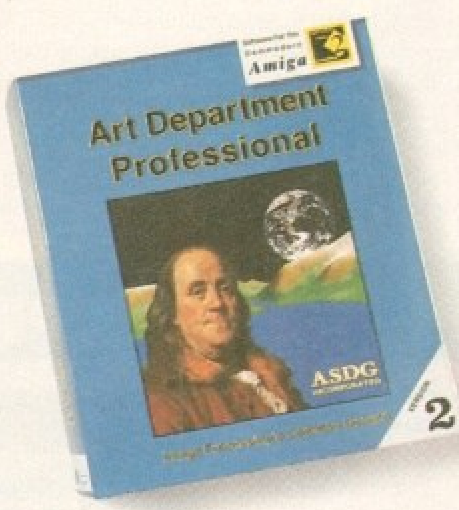
Tell *Our* Art Department To Work Weekends



You have a deadline coming up, and the pressure is really on. So relax. Go on a picnic. ***Art Department Professional (ADPro)*** is working the weekend.

ADPro's comprehensive ARexx interface allows you to convert formats, animate, image process, grab video, record on film and more, even while you're not there.

Being able to work straight through the weekend (as well as the other 120 hours in the week) means that projects can be done on time,



which otherwise couldn't be done at all.

Every aspect of ***ADPro***, including its advanced image processing features, ability to read and write many image file formats, and control different types of color input and output devices, can be accessed from easy-to-write ARexx programs.

Get ***Art Department Professional***. It works weekends, so you don't have to.

ASDG

925 Stewart Street
Madison, WI 53713
608/273-6585

The following names are trademarked by the indicated companies: Art Department Professional: ASDG Incorporated. ARexx: Wishful Thinking Development Corp.

News Briefs

Subscription changes

THE publisher of the Amiga enthusiasts' newsletter *Access Amiga* say that cheques for subscriptions and memberships should now be made payable to Weekend Developments Limited.

Rates for subscription are: One issue £1.75, six issues £10.50 and 12 issues £19. Orders should be sent to the firm at PO Box 208, Folkestone CT19 5EZ.

Photo images

PHOTO-realistic images of landscapes and sunsets are now available as 32,256 and Ham8 images for use with Amigas.

Each volume contains three or four disks and costs £6.95 from Weekend Developments at PO Box 208, Folkestone CT19 5EZ.

Finding space

A SOLUTION to the problem of insufficient disk storage space is Disk Expander, a new package which as its name suggest aims to double the capacity of floppy and hard disks.

Bedford-based Power Computing (0234 843388) have been given the rights for its worldwide distribution, and will be selling the software for £29.95.

Repairs at home

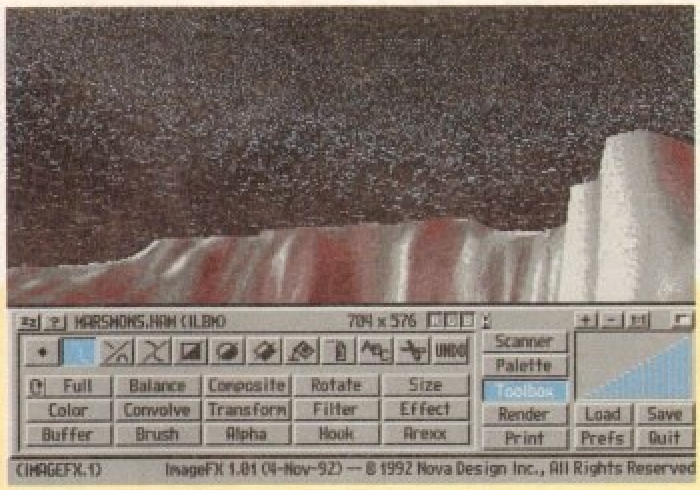
RETAIL distributor ZCL have joined forces with ICL to give a year's home warranty for A600 and A1200 owners with internal hard disk drives.

The service will be offered through independent dealers, Calculus Stores and Indi and will solve the problem of hard drive upgrades invalidating Commodore's warranty.

ICL will add free of charge a further year's home warranty to any existing warranty that the Amiga 600 or A1200 might have.

Dot matrix prices cut

PRINTER giant Epson have cut the price on 11 of their dot matrix models by up to 16 per cent in a bid to increase the firm's sales lead in the 9 and 24-pin market.



ImageFX: Extra image manipulation and creation features

More effects in ImageFX

GRAPHICS package ImageFX has just been improved to give Amiga owners a range of new image creation and manipulation features.

The Great Valley Products' software features drawing and painting in real time, and loader and saver modules allowing it to save and load files from a selection of other applications.

Several special effects are possible and it gives direct control of scanners, frame grabbers and 24-bit boards. GVP's CineMorph is included to give morphing ability.

New in v1.5 is MAGIC, a system that allows applications to share images in memory to reduce memory overhead when multitasking several graphics programs.

The program gives faster operation, especially in virtual memory handling, and there are preview displays in a range of resolutions.

A macro system automatically creates ARexx scripts from macro recording, eliminating the need for programming ARexx scripts for batch operations.

It is supplied in Britain by Silica Systems (081-309 1111). Existing users can upgrade for £29.95 and the cost for newcomers is £199.

Brit firm in ProDAD link

PRODAD software, upgrades and technical support are now available in Britain from computer consultancy firm BVCC (081-567 4623).

The London-based company will sell Amiga software including Digital and video effects program Adorage 2, and the new animation processing package clariSSA.

clariSSA will enable users to create animations in ANIM5 format or as SSA from single frames rendered by software such as Imagine.

Once converted to SSA format, the firm claim animations can be manipulated in several ways, made more colourful and run about 1.5 times faster than ANIM5 sequences.

BVCC boss Ben Vost told *Amiga Computing* that ProDAD asked his company to distribute the software because he had become familiar with the packages when writing their manuals.

Adorage 2 and clariSSA cost £79.95 each.

Going faster with A1200

EXTRA speed is now available to A1200 owners with the aid of Great Valley Products' new A1230-II.

The trapdoor expansion fits into the computer giving a 50MHz 68030 processor with memory management unit, up to 32Mb of memory and an optional maths co-processor.

A DMA Peripheral Port (DPP) allows data to be transferred between plug-in devices and the memory of the computer without processor intervention, resulting in faster operation.

The DPP will enable users to plug in further expansion card and three such upgrades will be launched by GVP soon for owners of the A1230-II.

UMATCHED

The first will be the A1291 SCSI Kit Performance II, which the American developer claims will give "unmatched SCSI performance".

The hardware module and SCSI device driver can achieve transfer rates of 4.2Mb per second, and uses the latest in SCSI termination technology – Active Termination.

This is claimed to avoid the traditional hassles of SCSI termination and resistor packs. Other products will allow the Amiga to perform 16-bit direct to disk sound sampling and real-time video frame grabbing.

"The A1230-II is the ideal Amiga 1200 upgrade for users wanting the best performance or expandability," said Silica spokesman Andy Leaning.

"In a single card, the A1230-II allows users to boost the power of their A1200 while also allowing them to expand their system with a range of unique upgrades."

Supplied without memory, the board costs £379 from Silica Systems (081-309 1111).

Scalable fonts from Seikosha's new printer

SEIKOSHA'S latest colour 24-pin dot matrix printer is claimed to print scalable fonts with variable heights and precise graphic output.

The SL96 has a maximum resolution of 360 x 360 dots per inch and a speed of 240 characters per second in Draft mode. The letter quality print speed is 84cps. It contains eight bitmap fonts and two scalable fonts which can be printed at between 8 and 32 point, and has a 42k memory.

Single sheets and fan fold paper can be used for output and a paper tray can be fitted to give automatic single-sheet feeding. An optional sheet feeder is also available.

Epson emulation is included and buyers can request an optional Amiga driver. The SL96 Colour has a recommended retail price of £292 and colour ribbons can be bought for £11. Its one-year return to base warranty can be upgraded to a year's on-site warranty for £11.



SL96: Features scalable fonts and precise graphics

Weekend comms prices slashed

MODEM users are set to benefit from cheaper telephone calls just announced by BT.

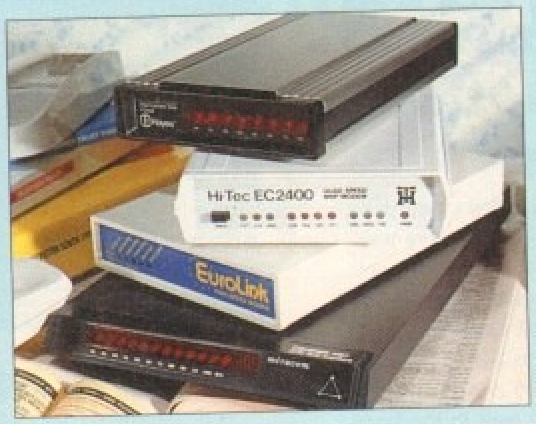
A three-minute call to anywhere in the country outside the caller's local area will cost 10p at anytime during weekends, and the firm have promised more cost-cutting is on the way.

Within the next year the telecoms giant will launch a scheme to allow customers to nominate regularly called numbers for which they will get automatic discount on calls made.

And there will be improvements to Option 15 which gives residential customers a discount of up to ten per cent on all their calls in return for an up front quarterly charge of £4.

"A year ago we launched the first of our special offers – the Sunday Special – and followed that with a series of offers on international and local calls," said BT boss Michael Hepher.

"Since then we've listened to what our customers have been telling us and they like special offers that cut the cost of calls, particularly at weekends."



Comms: BT price cuts bring weekend gains

Diary dates

January 12-15, 1994
BETT '94
Venue: National Hall, Olympia
Organiser: EMAP
(071-404 4844)
Britain's leading IT exhibition for the education market.

April 10-12, 1994
European Computer Trade Show
Venue: Business Design Centre, London
Organiser: Blenheim On-line
(081-742 2828)
Europe's largest trade show for the computer and video games industry.

September 20-25, 1994
Live '94
Venue: Earls Court
Organiser: News International
(071-782 6893)
Commodore have already pledged their support for this large consumer electronics show.

October 26-30, 1994
Future Entertainment Show
Venue: Earls Court II
Organiser: Future Exhibitions
(0225 442244)
The biggest public show for computer and video games players.

Overseas

March 16-23, 1994
CeBIT 94
Venue: Hanover, Germany
Organiser: Deutsche Messe
(010 49 511 890)
Europe's premier information technology show often used by Commodore for the launch of new hardware.

Amiga advice over the phone

A CONSULTANCY firm has just been set up for people who need up-to-the-minute information and support for serious Amiga software and hardware.

BVCC is run by the former technical manager of Micro-Pace UK, Ben Vost, who says the service offered is similar to that seen in the PC and Apple Macintosh markets.

A range of services are offered: telephone advice, scanning, translation, public domain distribution, face-to-face tuition and software and hardware recommendations.

The telephone support service is open between 10am and 10pm and gives information on 3D modelling, graphics, video, desktop publishing and other productivity software.

ANSWERS

The firm can say whether hardware will be compatible with users' existing peripherals, and if they don't know the answer to a question BVCC will try to find the information within a day.

Photographs up to 6in x 4in can be scanned by the firm at in a range of formats at 24-bit, and if the picture is to be used in a 16-colour Windows environment the palette will be correct.

Manuals and documentation for French and German products can be translated and even reprinted if required, and face-to-face tuition is available for first timers.

Courses on specific elements of Amiga computing such as desktop publishing are also run.

The cost of phone advice is between £5 and £6 per 15 minutes or part of, and others prices can be requested from the firm by telephoning 081-567 4623

Government act on child porn

PORNOGRAPHERS holding simulated indecent images of children on computer disk could face prison under new legal provisions just announced by the Government.

The move follows a recent case where pornographic pictures of women were scanned and modified to make their bodies appear more child-like.

Children's heads were superimposed onto the images to produce convincing "child pornography" of photographic quality.

Although it has not been tested in court, the Government believe that because the images were simulated and not actual photographs, the existing law might not cover them.

The new measures will be included in forthcoming criminal justice law. They will give courts the power to impose jail sentences of up to three months, a £5,000 fine, or both for possessing such material. Traders will face up to three years in prison.

"We must send the clearest possible signal to pornographers that their activities will not be tolerated," said Home Secretary Michael Howard.

"It's vital to take tough measures at the outset if we are to succeed in stamping out this vile trade."

Games makers agree on ratings

EUROPE'S games makers have agreed overwhelmingly to introduce voluntary video-type classification on all floppy disk, compact disc and cartridge-based software.

The move is intended to help improve the image of computer and video games, following a year of media concerns over their effects on health and society.

Games publishers will fill out rating assessment forms which ask whether their programs contain certain types of graphics material and which of four ratings they think should be given.

The titles will then be sent to the Video Standards Council where the final decision will be made. Among other things they will be looking for extreme violence and sexual content.

The four ratings will be up to 10 years old, 11 to 14 years old, 15 to 17 years old and over 18s.

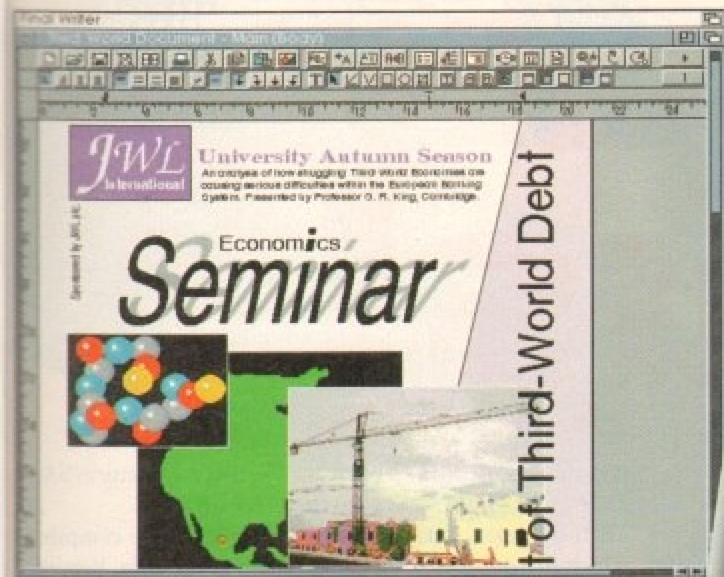
Although retailers will still be able to sell products to children younger than those for which the game is recommended, worried parents will be able to see the guidelines.

ELSPA's general secretary Roger Bennett said members who release titles without sending them for classification could face a ban from the association.

REM with FMV?

ACCORDING to sources close to Commodore the firm will package the CD32 Full Motion Video module with a disc containing hits from pop group REM. It is expected to cost £199.

You can't use Software this Powerful, and produce Documents this Good...



Unless, you buy an expensive PC or Macintosh™, a high priced Colour PostScript™ Laser Printer, and a complex, costly Desk Top Publishing Package...



Actual printed output

If you're looking for a quality Word Processor/Publisher that performs as well as this, you may well start by searching through PC and Apple™ Macintosh™ software catalogues.

Even then though, you probably won't find a program that will combine the very best in Word Processing *and*... easy to use integrated DTP type facilities.

You certainly can't find software for your Amiga that's capable of all this...

...or Can You?

Redux revisited

The development of Emplant's Macintosh emulation module steams on. With Emplant 3.2, which should be available about the time you read this, nearly all the planned features will be in the program, which should free Utilities Unlimited to get rolling on getting the IBM emulation module out the door.

The biggest improvement is that the emulator now acts like a "32-bit clean" Macintosh, which means you can use almost all of your Amiga's memory with the emulation, and expect increased compatibility with newer Mac applications. The emulator now supports direct file transfer between Amiga and Mac disks – just choose the file in a Mac or Amiga file requester and send it over; modules will be added for translating common file formats, such as PICT to IFF.

It is now about 20 per cent faster, and about 215 per cent faster for floating-point operations. Compatibility problems with Microsoft applications have been solved, Sound Manager support has been added, and UU hopes to get support for the Amiga's serial and parallel ports into this version.

For more information check with your local Emplant distributor or contact Utilities Unlimited at (602) 680-9004 voice; (602) 543-6407 fax;(602) 453-9767 BBS, or j.drew2@genie.geis.com via Internet.

Top marks for an improved language release, and news of two competing Apple emulation systems in this month's Stateside report from Denny Atkin

What's new USA

C plus!

The premier development system for the Amiga (Commodore use it for AmigaDOS) now has a real plus – two of them, actually. The newly released SAS/C Development System v6.5 now includes not only a top-of-the-line C-language compiler, but C++ as well.

If you haven't used C++, it's an object-oriented version of the C language that helps tame the obscurity level of C a bit. This release a huge improvement over the company's old C++ compiler, which was marketed under the Lattice label.

C++ is now fully supported by the CodeProbe debugger, so you can now display C++ auto, static, and extern variables; display members of C++ classes, and display C++ source code in both regular and mixed modes. Now it's like using a real C++ compiler instead of an add-on for a C compiler.

Other enhancements include a brand-new profiler, SPROF, which helps you optimise your programs by showing you the number of times each function is called and the amount of time spend in each function, including subroutines.

SPROF not only works on regular tasks, but also on shared libraries, dynamically created tasks, devices, and nearly any other kind of AmigaDOS task.

This will come in particularly handy since v6.5 has several new features, including startup modules, designed to make writing devices easier. SMFIND is a new Workbench utility which will search for particular strings in your projects. Utilities are included to ease conversion of files from earlier versions of Lattice/SAS C, and even from Manx Aztec C.

As in previous updates, the compiler now produces better, faster code. Version 6.5 ships with the AmigaDOS 3.1 include files and link libraries. There are over 300 new pages of documentation, bringing the reference material up to an astonishing 1,500+ pages. There's now also over 1.3Mb of on-line documentation. The package requires 1Mb of RAM and two floppies for the C language (more memory and a hard drive are recommended), and 4Mb of RAM and a hard drive for C++ programming.

For more information, contact SAS Institute, SAS Campus Drive, Cary, NC 27513; phone (919) 677-8000, extension 7001.

The Editing Edge

Texas-based Inovatronics have released an incredible new text editor called Edge. This easy-to-use editor is completely configurable – the entire user interface, from menus to keyboard commands, can be changed to fit your whims. ARexx macros can be written or recorded automatically. You can open multiple windows with different views on the same file – great for cutting and pasting in large documents. It supports all screen modes and resolutions, and will open on public screens.

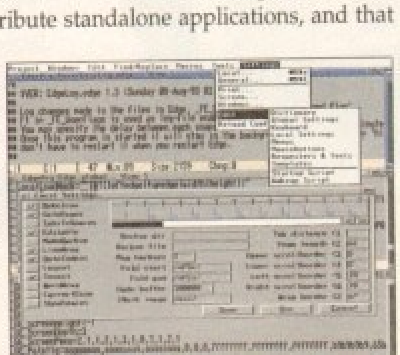
It has multiple-level Undo and Redo, limited only by memory. The editor features blazing speed in scrolling, formatting, and search/replace operations. The on-line help is unmatched – the entire manual is available using the AmigaGuide help system.

Inovatronics recently opened an office in the UK, but this product was so impressive (the first editor to get me to switch from TurboText) that I felt it deserved a mention.

And you don't even have to call Texas to get info on it: Just contact Inovatronics, Unit 11, Enterprise Centre, Cranborne Road, Potters Bar EN6 3DQ. Tel: 0707 662861, fax: 0707 660992.

● In a previous column, I mentioned that the new version of CanDo required you to contact Inovatronics to get the files needed to distribute standalone applications, and that a licensing fee might be involved.

Inovatronics contacted me as this column was going to press and said that the necessary files would soon be available on-line to allow CanDo owners to distribute their applications without contacting Inovatronics first. The company does request, however, that you send them a copy of any application you create and distribute with the program.



INOVAtronics give you the edge when editing

A-Max gets colour

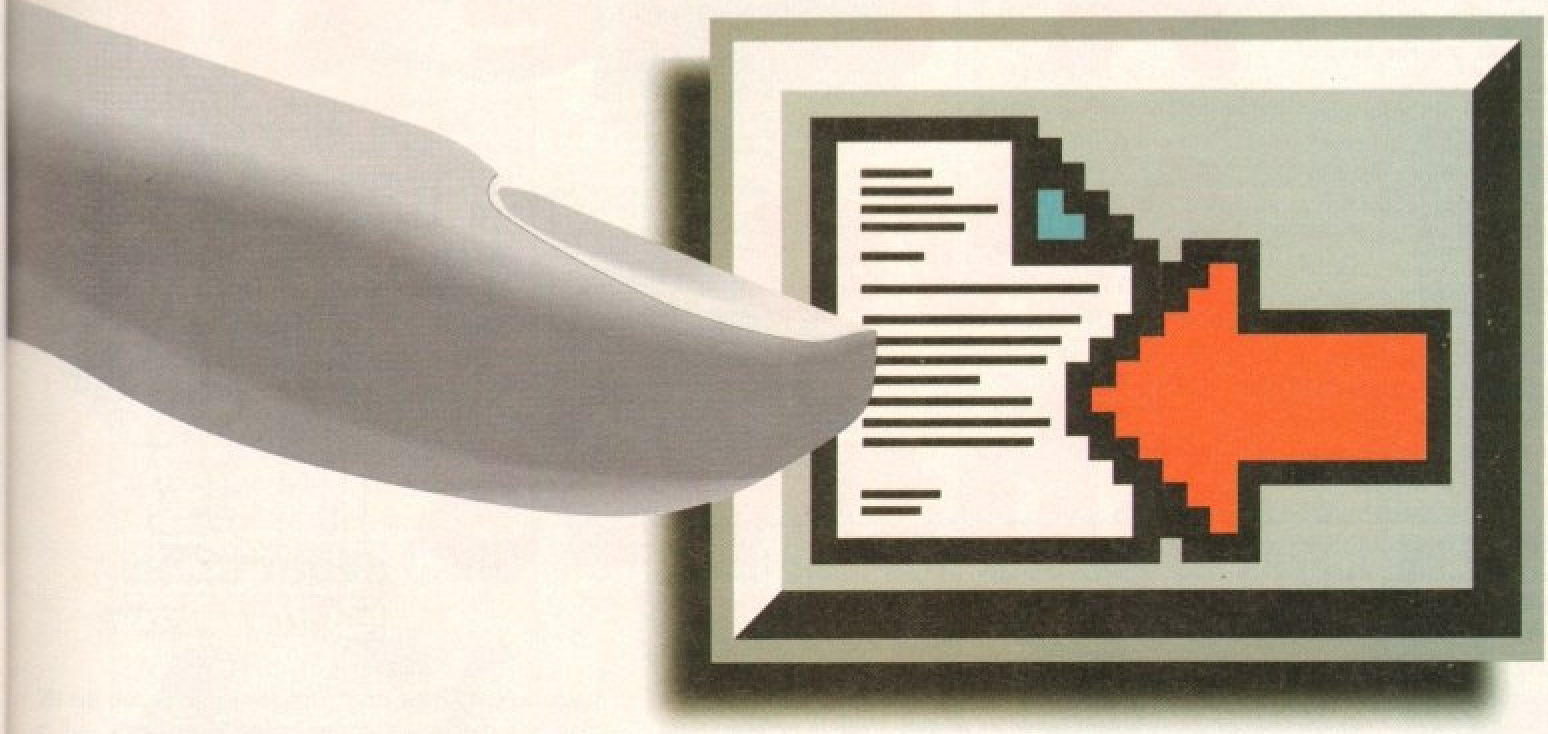
Nobody wants a black-and-white TV any more, so who wants a black-and-white Macintosh emulator? Canada's ReadySoft have updated their A-Max Mac emulator to support colour and the newest releases of Apple's operating system. A-Max IV is based on the A-Max II+ Zorro II board, so you'll need an Amiga with slots to use it.

Among the emulator's features are support for Apple's System 7.0 or later using inexpensive 128k Mac Plus ROM chips; full colour support (16 colours on ECS machines, 256 on AGA, and true 24-bit with Picasso II, Retina, EGS, and some other boards); support for multiple display devices if you have an add-on graphics card; auto-scroll screens of any size; and stereo sound support and Apple SuperDrive emulation. It's a full 32-bit clean emulation that supports up to 2Gb of RAM. Like previous versions of A-Max, this emulator supports using the Amiga's serial and parallel ports on the Mac side. As a bonus, you can save ImageWriter 9-pin and 24-pin output to IFF files, making transferring Mac printouts to Amiga applications a snap. You can also cut and paste date between the Mac clipboard and the Amiga clipboard device.

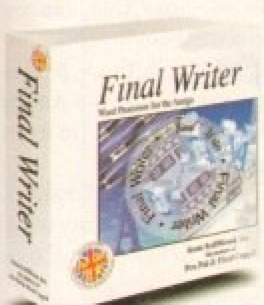
Unlike earlier versions of the A-Max software, this update multitasks with Amiga software and uses standard AmigaDOS device drivers to access hard drives – no more need for custom .AMHD files. Stock A1500 and A2000 owners will need to upgrade their systems, as the emulator requires at least a 68020 processor, AmigaDOS 2.1 or later, and 2MB of free RAM; you'll also need Mac System 7.0 or higher on the Macintosh side. Pricing is pretty steep at the retail level: The board retails for $509.95; A-Max II owners pay $119.95 for update disks and chips; A-Max cartridge owners can get the board for $249.95 after trading in their cartridge; and owners of "other" Mac emulators (read that as "Emplant") can trade in their board and get A-Max IV for $279.95. Interestingly, Emplant developer Jim Drew has claimed on various on-line networks that A-Max IV violates software patents he has on Emplant, and that he will attempt to get a restraining order to prevent A-Max IV from being shipped out of Canada.

For information, contact ReadySoft, 30 Wertheim Court, Suite 2, Richmond Hill, Ontario, Canada L4B 1B9; call (419) 731-4175 or fax (419) 764-8867.

You Can Now... with New *Final Writer*™



Put *Your* Finger on the Buttons of the Ultimate Amiga Word Processor



From the publisher of the acclaimed Final Copy II comes its new companion, Final Writer - for the author who needs even more! If you already use an Amiga Word Processor, it won't include the complete and comprehensive array of features found in this latest addition to the SoftWood family.

Can your Word Processor...

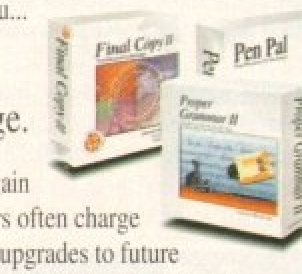
Output crisp PostScript™ font outlines on *any* graphic printer (not just expensive lasers), and was it supplied with over 110 typefaces? Import, scale, crop, view on screen and output structured EPS clip-art images (Final Writer is supplied with a hundred), again, on any printer? Also create structured graphics and rotate them along with *text* to any angle, giving you DTP quality presentation? Provide a huge range of printing options (eg. thumbnails, scaling, crop marks etc. on PostScript™ printers) and fulfil other advanced Word Processing functions easily such as automatic indexing, table of contents, table of illustrations and bibliography generation? With Final Writer, this is now available to you along with a list of features that just goes on and on. We know that you'll be impressed by this revolution in Amiga Word Processing, but don't be put off by it's advanced capabilities. With its complement of user definable Command Buttons and Superb Manual, Final Writer is simply one of the easiest programs to learn and use.

Adobe PostScript
Superior font & graphical imaging technology.

Final Writer is not just a one-off product...

SoftWood are acknowledged as the World's leading software company publishing for the Amiga and no other system. So, if Final Writer exceeds your current requirements - whatever your Document Processing needs, whatever your Amiga - SoftWood will still have the Perfect Package for you...

Pen Pal or Final Copy II and Proper Grammar II...a Complete Range.



Once you become a registered SoftWood user, you'll gain access to unlimited *free* UK technical support (others often charge you or don't provide support at all) and preferential upgrades to future versions of these and other exciting new products being developed right now.

SoftWood

Quality software for your Amiga

If you've outgrown your existing package ask about our 'trade up' options from your current Word Processor (other publishers' WP's are eligible too).

SoftWood Products Europe

New Street Alfreton Derbyshire DE55 7BP England
Telephone: 0773 836781 Facsimile: 0773 831040

Available from all good dealers or, contact us for a list of nationwide stockists.

All information correct at time of going to press. E&EOE. All Trademarks acknowledged. The document on the previous page was output on a low cost Canon Bubble Jet.

Please rush my personal copy of the new Final Writer & Final Copy II information pack, including samples from popular printers, and a list of stockists to... (clip the coupon or call 0773 836781 now!)

Name & Address:

please include your postcode

ACO

The Amiga is alive and well and living in Europe, as the latest Amiga shows have proved

A tale of two shows



Though doubters and cynics in the industry have of late begun to mutter ominously about the future of the Amiga market, the people whose opinions really matter – the buying public – have continued to show a great deal of optimism and faith in the machine. Two recent Amiga shows are all the evidence one needs for that.

Cologne, hosting the World of Commodore show from November 5 to 7, has always been an important venue for Commodore events, and this year's effort was no different. Dozens of developers and manufacturers turned up to join the box shifters, and the best of European engineering went on display.

Peripherals being developed by several German and European companies included high speed digital broadcast cards based on Jpeg technology, Mpeg players, PCMCIA fax modem cards, accelerators, and even a transputer card. Video applications were as usual well represented, and the number of stands running digital movies from hard drive was matched only by the number of smiling new Elite 2 owners.

Surrounding all this showy behaviour was a determined crowd of punters with bulging wallets and an eye for an upgrade. The buying frenzy reached such epic proportions at some stands that wobbly trolleyloads of replacement A4000s had to be wheeled up to replenish stocks once the machine had sold out.

By midday on Saturday, the height of the show, there was a 200-yard queue outside the cavernous hall and the security guards were forced to close the doors and send people out by another exit until things calmed down.

The milling crowds of waiting German enthusiasts were reduced to cheering throatily for the lucky few who were allowed to pass through in dribs and drabs.

With so much interest in the Amiga, such a frenzied burst of spending, and the healthy display of top notch Amiga add-ons we saw while at the show, it is clear that we still have a vibrant machine in a strong market.

The leisure market may be suffering from PC and console competition combined with the games industry's determinedly gloomy view of the Amiga, but the productivity and videography industries are doing very nicely.

The UK side of the same coin presents an interesting contrast. At a recent sizeable show in London, the emphasis was on the entertainment industry as a whole rather than the Amiga, and the consoles were the most obvious force.

A 40-feet high helium-filled Sonic hovered menacingly over everyone at the show in a sort of symbolic gesture of the truth about Sega hype: neat presentation, but mostly hot air.

Little that was new was on show, but the assembled public seemed to be having a wail of a time, and there much more of an atmosphere of fun than at the German show. Games and playing them were the predominant themes and nothing the odd technical demonstration could do was able to dispel the atmosphere. As usual, the good old British box shifters were there in numbers, and more than a few happy customers could be found taking advantage of special show prices, so although there was a disappointing lack of high-end stuff (relegated to an oasis around the Commodore stand), there was still a positive message.

Had we visited just the London show and missed out on Cologne, the impression of a slowly declining Amiga would have been overpowering. As it was, we were able to conclude that in the face of the stiffest competition imaginable, the Amiga is still jumping off the shelf and into the hands of enthusiasts all over Europe.

The UK industry's over-concentration on the games side of the Amiga leads many in this country to make pessimistic predictions about the machine, ignoring as they do the Amiga's other talents.

No-one has properly surveyed the video and multimedia industries to calculate exactly what sort of market share the Amiga has there, but if the 52 Amigas used in the production of *Jurassic Park* are anything to go by, there's plenty of room left for expansion.

We enjoyed a huge boom in the low end of the Amiga market while its prowess as the best games machine was unchallenged. These days, with the consoles and the PC making a determined thrust in the leisure area and so much development now concentrated on CD-ROM, the Amiga is fortunate in having a solid image in other areas.

As the games side of the Amiga changes, evolving towards AGA games and, hopefully, CD32 in the coming year, it is difficult to predict how the market will develop.

Some in the UK games industry are certain that the Amiga has had its time, mostly through the inevitable move from floppies to CD discs, but as the Amiga has made a bold move into CD-ROM with CD32, can we share this pessimism?

We must wait and see what the UK software houses make of CD32, but at least the signs are that the Amiga will continue as a strong independent platform even without a leading stake in the games industry.

The evidence is on your TV set in the form *Babylon 5*, *Deep Space 9*, *SeaQuest DSV*, *Jurassic Park*, and many other examples of the Amiga's use as a cheap, effective videography tool.

You might miss this sort of involvement at a UK show, but take the wider European view and 1994 is going to be a much better year for the Amiga than many of our games-obsessed cynics would have you believe.

The AC team

EDITOR Stevie Kennedy
ASSOCIATE EDITOR Paul Austin
ART EDITORS Tym Lecky, Terry Thiele
NEWS EDITOR John Butters
PRODUCTION EDITOR Phil Morse
STAFF WRITERS Jonathon Maddock, Simon Clays, Adam Phillips
ADVERTISING MANAGER Simon Lees
AD SALES Jane Normington
AD PRODUCTION Barbara Newall
MARKETING MANAGER Lucy Oliver
PRODUCTION MANAGER Sandra Childs
SYSTEMS MANAGER David Stewart
CIRCULATION DIRECTOR David Wren

DISTRIBUTION COMAG (0895) 444055
SUBSCRIPTION 051-357 2961

Member of the Audit Bureau of Circulations

ABC 58,305
Jan-June 1993

Published by Europress Enterprise Ltd.
Europa House, Adlington Park,
Macclesfield SK10 4NP
Tel: 0625 878888
Fax: 0625 850652

CHAIRMAN Derek Meakin
MANAGING DIRECTOR Ian Bloomfield

CoverDisk Hotline
0625 859766
Thursday, 2-5pm only

We regret *Amiga Computing* cannot offer technical help on a personal basis either by telephone or in writing. All reader enquiries should be submitted to the address in this panel for possible publication.

Amiga Computing is an independent publication and Commodore Business Machines Ltd are not responsible for any of the articles in this issue of for any of the opinions expressed.

©1993 Europress Enterprise Ltd. No material may be reproduced in whole or in part without written permission. While every care is taken, the publishers cannot be held legally reponsible for any errors in articles, listings or advertisements

europress ENTERPRISE

For five years Amiga Computing has been the leading magazine for Amiga enthusiasts. As a key member of the Europress magazine group, Amiga Computing promises to inform, educate and entertain its readers each month with the most dedicated coverage of the Amiga available.

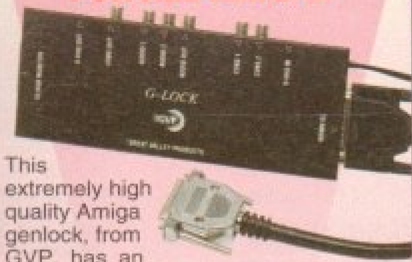
Amiga Computing • Atari ST User • Atari ST Review • PC Today Acorn Computing • GB Action • Amiga Action • ST Action • Commodore Force • Sega Force • N-Force • Amiga Force • Bad Influence • Super Action • PC Home

Printed in the United Kingdom by BPCC Ltd, Carlisle

GVP WORLD CLASS **AMIGA** PERIPHERALS

NEW! - 50MHz A1200 ACCELERATOR + FEATURE CONNECTOR

VIDEO GENLOCK
FOR ALL AMIGAS



This extremely high quality Amiga genlock, from GVP, has an intuition-based software control panel with full ARexx and command line interfaces. Easy to use the G-Lock genlock features many sophisticated attributes among which are:

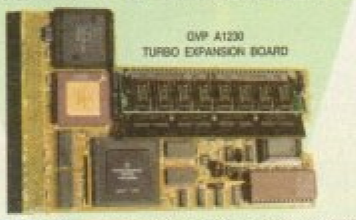
- *Two Composite Video Inputs or S-Video (Y/C) Input*
- *Simultaneous Composite & S-Video and RGB Output*
- *Video Processor - Real Time Software Control of Video Attributes (Sharpness, Gain, Brightness etc)*
- *ARexx Compatible*
- *Works with Flicker Fixers*
- *Multiple Keyer Modes*
- *Full Audio Support*

AMIGA GOLD FORMAT 94%

G-LOCK ~~£349~~ **£299** INC VAT - VID 2500

ACCELERATORS
FOR AMIGA 1200

68030EC - 40MHz RAM/FPU UPGRADE



ACCELERATOR - The 68030EC processor on A1230 Turbo upgrades the normal Amiga 1200 processor (CPU). The new version is nearly nine times the speed of the 68020 in standard A1200s.

32-BIT RAM - The A1230 Turbo can have up to 32Mb of high speed 32-bit RAM.

MATHS CO-PROCESSOR - The A1230 Turbo can be fitted with a maths co-processor.

- *68030EC processor running at 40MHz*
- *Easy Fitting Trapdoor Expansion - Doesn't Void Your Warranty*
- *Up to 32Mb of 32-bit RAM*
- *Doesn't Disable PCMCIA Interface*
- *Optional 68882 Co-Processor - much faster than the obsolete 68881*

INCREASE THE SPEED ... NEARLY 9 TIMES

40MHz 68030EC ACCELERATOR + RAM CARD & OPTIONAL FPU

0Mb RAM NO FPU	4Mb RAM NO FPU	4Mb RAM 40MHz FPU
£249	£379	£499
INC VAT - UPG 1230	INC VAT - UPG 1232	INC VAT - UPG 1234

68030 - 50MHz RAM/FPU + FEATURE CONNECTOR

The new GVP A1230-II is the most advanced accelerator for the A1200 yet.

- *50MHz 68030*
- *Built-in Memory Management*
- *Optional 50MHz FPU*
- *Up to 32Mb 32-bit RAM*
- *Unique Feature Connector*

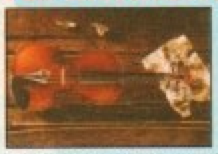
The new A1230-II has a custom feature connector which allows a whole range of state-of-the-art Amiga peripherals to be attached.

The first of these is a SCSI interface called the A1291, and is GVP's fastest SCSI controller yet. It features:

- *DMA SCSI Design*
- *Faaast ROM Controller*
- *High Speed, Unique DPRC Technology for Direct HD to Memory Transfer*

50MHz 0Mb RAM	50MHz 4Mb RAM	A1291 SCSI ADAPTOR
£379	£579	£79
INC VAT - UPG 1500	INC VAT - UPG 1540	INC VAT - UPG 1600

24-BIT GRAPHICS CARD
FOR A1500/A2000/A3000/A4000



EGS Spectrum is the answer to all your 24-bit graphics card requirements. It is a high performance, high resolution, 24-bit board that will take any Amiga 1500, 2000, 3000 or 4000 beyond AGA! But the hardware is only half of the picture. Without quality software, your investment will be wasted. Not only does GVP's own award winning graphics application ImageFX fully support EGS Spectrum, but also, using a Workbench driver, nearly all existing Amiga Workbench compatible applications will also work on and support the EGS Spectrum system.

- *1Mb or 2Mb of On-board Memory*
- *On-board Hardware BLITTER*
- *Future Re-targetable Graphics Support*
- *Zorro II or Zorro III Autosensing*
- *Scan Rates up to 80KHz*
- *80,000,000 Pixels/sec Pixel Display Speed (8-bit)*
- *Programmable Display Resolution 320x200 to 1600x1280*
- *Supports Data Transfer Rates up to 12Mb/sec on Zorro III Systems*

EGS SPECTRUM

1Mb RAM	2Mb RAM
NEW! £349	NEW! £399
INC VAT - VID 7310	INC VAT - VID 7320

HARD DRIVE CARD
FOR A1500/A2000/A3000/A4000



The HC8+ is a high speed hard drive & RAM card which can also be used to increase your Amiga's RAM by up to 8Mb RAM.

A FULLY FEATURED SCSI INTERFACE FOR A4000s

- *High Speed DMA SCSI Controller Can Handle upto 7 Devices*
- *Ultra Fast Access SCSI Hard Drive Option - See Below*
- *Supplied Unpopulated the HC8+ can be Upgrade to Give You up to 8Mb of FAST RAM - See Below for Details*
- *Direct Memory Access Style Design for Top Speed Transfer*

HC8+ HARD DRIVE CARD

0Mb HD	42Mb HD	80Mb HD	120Mb HD
£129	~~£249~~ £199	~~£349~~ £299	~~£429~~ £399
INC VAT - HAR 1300	INC VAT - HAR 1340	INC VAT - HAR1380	INC VAT - HAR 1422

RAM UPGRADE CARDS

GVP HC8+ INCLUDES 8 SIMM SOCKETS FOR EASY INSTALLATION OF FAST RAM. THE HC8+ WILL ACCEPT 2, 4, 6 or 8Mb USING 2, 4, 6 or 8 SIMMS

1Mb SIMM **£35** PER SIMM INC VAT - MEM 3628

8-BIT SOUND SAMPLER
FOR ALL AMIGAS

NEW!



Capture sound from an external source and play it back in stereo or mono on your Amiga. The latest version of GVP's Digital Sound Studio (DSS8+) enables you to create audio effects for use in games or jingles.

- *New Style High Impact, Clear Poly-Carbonate Casing*
- *Simultaneously Holds up to 31 Sound Samples in Memory*
- *Real-time Oscilloscope, Spectrum Analysis, Echo & Reverberation*
- *AREXX Compatible*
- *Microphone Input*
- *.MOD File & MIDI Compatible*
- *FREE Samples Disk*

DSS8+ £69 INC VAT - MUS 2510

ACCELERATORS
FOR AMIGA 1500 & 2000

FAST! 32-bit TECHNOLOGY

GVP offer a range of A1500/A2000 accelerators that simply outstrip the competition for speed and specifications.



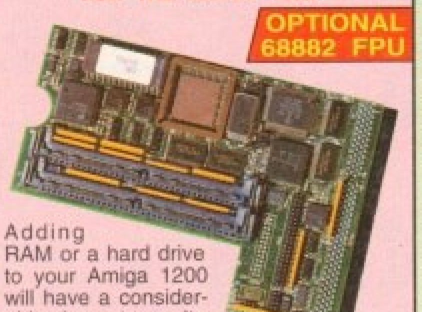
SPECIAL OFFER SAVE £135! 42Mb QUANTUM HARD DRIVE + MOUNT KIT ~~£234~~ **£99** INC VAT
ONLY WHEN PURCHASED WITH G-FORCE ACCELERATORS SHOWN BELOW

G-FORCE ACCELERATORS	030 40MHz	030 33MHz
Speed MIPS*	12.1	30
Processor	68030EC	68040
Maths Co-Pro.	68882 included	In 68040 processor
Std 32-bit RAM	4Mb	4Mb
Max 32-bit RAM	16Mb	64Mb
Extras	SCSI	SCSI Ser/Par
PRICE	£699 INC VAT - UPG 0930	£1299 INC VAT - UPG 0740

*MIPS: Millions of instructions / second, a normal Amiga runs at .87 MIPS

SCSI/RAM EXPANSION
FOR THE AMIGA 1200

OPTIONAL 68882 FPU



Adding RAM or a hard drive to your Amiga 1200 will have a considerable impact on its speed. The GVP SCSI/RAM allows you to enhance your Amiga 1200 with both. Its SCSI hard drive interface is one of the fastest, whilst its 32-bit RAM upgrade is based on the same technology featured in the best-selling A1230.

- *Built-in, SCSI Hard Drive Interface - Enables 2.5" SCSI Hard Drives to be Connected Inside the A1200 Casing*
- *Optional 8Mb of 32-bit RAM*
- *Optional 68882 Maths Co-processor*

SCSI/RAM BOARD
NOW INCLUDES SCSI KIT FREE OF CHARGE

0Mb RAM	4Mb RAM - NO FPU	4Mb RAM + 33MHz 68882 FPU
NEW! £149	NEW! £349	NEW! £399
INC VAT - HAR 1200	INC VAT - HAR 1204	INC VAT - HAR 1233

MULTI-MEDIA AUTHORING
FOR A1500/A2000/A3000/A4000



ALL-IN-ONE GRAPHICS CARD

Impact Vision 24 is a fully featured video card. Unlike other graphics cards which require you to buy extra modules later, IV24 has everything you could want from a video board built-in!

Included with IV24 is GVP's custom Video Interface Unit (VIU). This gives you more choices for in and outputting video signals than any other Amiga peripheral on the market. VIU-CT splitter provides additional RGB, Y, R-Y and B-Y output.

FREE SOFTWARE WITH IV24

Create stunning 3D rendered images, retouch captured images and wipe between 2 video sources with 50 packaged video transitions for production studio effects. Also included is MacroPaint 2, a powerful 24-bit graphics package which can paint in 16.8 million colours.

- *1.5Mb 24-bit, 16.8 million Colour Buffer*
- *Real-time Frame Grabber/Digitiser*
- *De-interlaced, Video Flicker Fixer*
- *Moveable/Sizeable PIP (Picture-in-Picture)*
- *2 Video Genlock (RGB & Composite)*
- *768 x 580 Resolution*
- *Captured Image Retouching/Processing*
- *Animation/3D Rendering*
- *FREE! Caligari 24, MacroPaint 2, MyLad and Desktop Darkroom Software*



A1500/A2000 ADAPTOR £49.95 - GVA 5224

IV24 inc VIU-S	IV24 inc VIU-CT
~~£1499~~ £999	~~£1899~~ £1299
INC VAT - VID 7024	INC VAT - VID 7124

THE SILICA SERVICE

SILICA 1978 1993 15 YEARS SERVICE TO YOU

Before you decide when to buy your new Amiga products, we suggest you think very carefully about WHERE you buy them. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals or software, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. We can meet our customers' requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- *FREE OVERNIGHT DELIVERY:* On all hardware orders shipped in the UK mainland.
- *TECHNICAL SUPPORT HELPLINE:* A team of technical experts will be at your service.
- *PRICE MATCH:* We match competitors on a "Same product - Same price" basis.
- *ESTABLISHED 15 YEARS:* We have a proven track record in professional computer sales.
- *PART OF A £50M A YEAR COMPANY* With over 200 staff - We are solid, reliable and profitable.
- *BUSINESS + EDUCATION + GOVERNMENT:* Volume discounts are available. Tel: 081-308 0888.
- *SHOWROOMS:* We have demonstration and training facilities at all our stores.
- *THE FULL STOCK RANGE:* All of your requirements are available from one supplier.
- *FREE CATALOGUES:* Will be mailed to you with special offers and full details of hardware, peripherals and software.
- *PAYMENT:* We accept most major credit cards, cash, cheque or monthly terms. (APR 29.8% - written quotes on request)

SILICA

HOT LINE 081-309 1111

MAIL ORDER: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX	Order Lines Open: Mon-Sat 9.00am-7.00pm (Sat 9.00am-5.30pm) No Late Night Opening	Tel: 081-309 1111 Fax No: 081-308 0608
CROYDON SHOP: Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ	Opening Hours: Mon-Sat 9.00am-6.00pm Late Night: Thursday - 9pm	Tel: 081-688 4455 Fax No: 081-686 4658
ESSEX SHOP: Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA	Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm) Late Night: Thursday - 7pm	Tel: 0702 468039 Fax No: 0702 468039
IPSWICH SHOP: Debenhams (2nd Floor), Waterloo House, Westgate St, Ipswich, IP1 3EH	Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm) Late Night: Thursday - 9pm	Tel: 0473 287092 Fax No: 0473 287092
LONDON SHOP: 52 Tottenham Court Road, London, W1P 0BA	Opening Hours: Mon-Sat 9.30am-6.00pm No Late Night Opening	Tel: 071-580 4000 Fax No: 071-323 4737
LONDON SHOP: Selfridges (Basement Arena), Oxford Street, London, W1A 1AB	Opening Hours: Mon-Sat 9.30am-7.00pm Late Night: Thursday - 8pm	Tel: 071-629 1234 Extension: 3914
SIDCUP SHOP: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX	Opening Hours: Mon-Sat 9.00am-5.30pm Late Night: Friday - 7pm	Tel: 081-302 8811 Fax No: 081-309 0017

To: Silica, AMCOM-0194-68, 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND ME A 64 PAGE AMIGA COLOUR CATALOGUE

Mr/Mrs/Miss/Ms: .... Initials: .... Surname: ....

Company Name (if applicable): ....

Address: ....

.... Postcode: ....

Tel (Home): .... Tel (Work): ....

Which computer(s), if any, do you own? 68X

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

CALLERS WELCOME AT OUR BRANCHES OPEN 9-5.30, MONDAY TO SATURDAY, (10-4.30PM SUNDAYS + DECEMBER LATE NIGHT THURSDAYS TO 8.00PM ST ALBANS ONLY)

Hobbyte

COMPUTING
ESTABLISHED 9 YEARS

10 MARKET PLACE ST ALBANS HERTS AL3 5DG TEL: (0727) 856005/841396
THE GALLERY ARNDALE CENTRE LUTON BEDS LU1 2PG TEL: (0582) 457195/411281

WARNING

Due to the exchange rate, or manufacturer's changes or due to current RAM shortage, some prices may alter, either up or down, during the several weeks between going to press and the end of the month of issue. We would ask that prices be confirmed by telephone before ordering.

OLD AMIGA TRADE-IN*

The best trade-in allowance, extra for peripherals and accessories. Trade in your old machine for a brand new A600/1200/4000/CD^{32} or even a PC.

After trade-in, equipment is checked and refurbished by our engineers and is then offered at bargain prices, complete with 3 months warranty.

A500s FROM £139
A1500s FROM £199

A600 SD/HD	from 159	HDs + Controllers	from 179
A3000s	from 499	GVP HD8 40/52	209/229
CDTV	179	XT/AT BBoard	50/91
A590 20/40MB	129/159		

OTHER ACCESSORIES - PLEASE ASK.
*Acceptance of pre-V2 machines may be limited

HOW TO USE THIS AD

Exclusively from Hobbyte, you can choose your own Amiga and software combination and still benefit from the huge savings only available from package deals.
Want an A600 pack for small children? No problem!
A professional pack for music or programming? It's up to you!

WE WANT TO BEAT ALL PRICES!
CALL US!!

A500/600/CDTV

STARTER PACK
A Must for new users!
Microswitched joystick, "Get the Most from your Amiga" book, 10 Blank discs, 80 capacity lockable disc box, mouse mat, dust cover, Virus Killer.

A500+ and A600s come complete with mouse, modulator to connect to TV, or monitor lead as required, all cables, manuals, operating discs and utilities

REFURBISHED UNITS ONLY AVAILABLE

	INCLUDED AS STANDARD	ALONE £	PLUS STARTER £	WARRANTY	EXTRAS
A500+ 1MB		179.99	194.99	12 months return to base	Extra 1MB £25
A500+ CARTOON CLASSICS	Captain Planet, Lemmings, The Simpsons, DPaint III*	194.99	209.99		
A600 SD 1MB	-	174.90	189.90	12 months at home	Extra 1MB £35 • 2Mb PCMCIA £109 • 4MB PCMCIA £169 • Romsharer £45
A600 SD WILD, WEIRD AND WICKED	Silly Putty, F1 Grand Prix, Pushover, Deluxe Paint III*, 700 clip art set	194.99	209.99		
A600 HD 20		269.99	284.99		
EPIC PACK PLUS 40	Epic, Rome, Myth, Trivial Pursuit, Amiga Text, Deluxe Paint III*, 700 clip art set	319.90	334.90		
64		349.99	364.99		
85		389.99	404.99		
A600 HD 80	-	365.99	379.99	12 months return base	
120		415.99	429.99		
210		569.99	584.99		
CDTV MULTI MEDIA	Audio Discs/CD Player, Keyb'd, Fdrive, Mouse, Remote Controller, Caddy, Welcome Disc, Fish Disc	229.99	244.99		Brickette £45
CBM 1084 SD	+ Leads	178.90		1 year	PIP Monitor to TV Converter – £99
CBM 1940	Leads. Ideal for AGA	269.99		1 year	
Philips 8833 II	Leads. T & Swivel £10	209.99		1 year at home	
Star LC100C	Top Value 9 pin colour printer	149.99	159.99	1year	
Citizen 240C	24Pin colour	252.90	262.90	2 year	

Return to base HD versions are SD units fitted with top quality 3rd party drives and come with install disc + full documentation. *DPIII needs 2MB for animation on HD models.

NO OTHER DEALER CAN BEAT OUR CREDENTIALS

- Multi-million company with 9 years experience in Commodore product and here to stay
- Commodore trained staff are friendly and helpful and are parents, multimedia, educational, games, programming or technical specialists (usually more than one!)
- Open 9-6 pm Monday to Saturday and 10.00 am to 4.30 pm Sundays PLUS December late nights on Thursdays (St Albans only) for convenient shopping.
- Callers welcome for advice and demonstration at our 1600+ sq ft High St, Town Centre branches
- Same day despatch for most orders received by 5.30 pm; express am and Saturday services available
- Hardware carefully handled and delivered safely and reliably by caged, insured, top name courier service
- Pre-despatch testing on Amiga systems
- Free 30 day courier collection and delivery of NEW replacement.(except product with on-site maintenance)
- Hotline support and in-house engineers
- Upgrade and trade in offers to keep you up to date
- Exceptional after sales service
- BFPO and export welcome

NOT JUST ANOTHER MAIL ORDER COMPANY

For years a major player in Amiga Mail Order, Hobbyte also boast extensive expertise and experience in specification and support of multi-machine and specialist systems. Hobbyte have been recommended and trained by Commodore and successfully won major orders and support contracts from London Boroughs, MOD, educational establishments etc. We are pleased to be placed on tender lists. This expertise is available to all our customers.

A4000/ 30 & 40

A4000/30: AGA Chip Set + 68030 processor, 68882 25/50 MHz co-processor option, 256,000 colours from 16.6M, scan doubling for flicker free display, Mouse, Amiga 3.5"/1.76 MB 3.5" drive, Hard Drive as below, Amiga DOS 3.0 system and utilities, **Next day on-site warranty**
A4000/40: As above, but featuring the blistering 68040 processor, with full floating point facilities **NOT** EC version. UK models with on-site warranty...**NOT** imports!

TRADE IN AVAILABLE

HD SIZE MB	A4000/30 1+1MB SUBTRACT £70	A4000/30 2+2MB STANDARD VERSION	A4000/30 2+4MB SUPER EXP. VERSION	A4000/40 2+4MB	EXTRAS
80		965		1889	
120		1039		1915	
160		1079 SPECIAL		1959	
240		1149		2139	
340		1219		2299	
540		1479		2459	

1+1MB: WARNING - 1 + 1MB A4000s will not run most serious AGA s/w packages. If required, subtract £70 from 2 + 2MB prices

2+4MB Super Exp. Version: ADD £80 • ADD £80 • ADD £80. 2 + 4 MB version comes with 2MB chip RAM + one 4MB chip of fast RAM, for on-board expansion to 16MB. We do not fit two x 2MB chips of fast RAM, which gives on-board expansion of only 8MB.

EXTRAS: Extra 2MB for 2+2 versions £99 • Extra 4MB for 2+4 versions £159 • Microvitec Cubscan 1440 recommended £399.99 • Same day warranty £39.99, extra 2 yrs £99.99

A4000/30 CO-PROs
68882 25 MHz ... ADD £79
68882 50MHz ... ADD £159
Fitting FOC if purchasing A4000

CD^{32} CONSOLE
SPECIAL

Choose any* 3 CD discs (see software section) for **£59.90** *up to £34.99 RRP each

CD^{32} SOFTWARE

Over 75 titles specially written for the CD^{32} should be in stock by Christmas (phone for list), including Syndicate, Zool 2, Jurassic Park, Chaos Engine, Robocod, many of which include a full CD music track alongside the game. About half of existing CDTV titles are compatible. CD^{32} will also play normal music CDs and CD+G discs

CD^{32} Standard warranty is 12 months return to base.
12 months on-site warranty **£39.99**
Extra 2yrs on-site warranty **£69.99**

CD^{32} Console (with Oscar AGA, Diggers +Joypad FREE)
£279
CD^{32} + FMV Card as above PLUS FREE MUSIC VIDEO DISC
£465

AVAILABLE NOW!
Full Motion Video module for CD^{32} (with Free Music Video Disc) ... £189
COMING SOON
Floppy drive, Keyboard, Mouse CD^{32} for A1200

WITH ANY COMPUTER

CHAOS ENGINE, SYNDICATE, PINBALL FANTASIES, NICK FALDO'S CHALLENGE GOLF
ADD £19.99
OR LEMMINGS, SIMPSONS, CAPTAIN PLANET, PLUS D PAINT III & GFA BASIC
ADD £14.95

A1200

1200 2MB	269
1200 +20MB HD	379
1200 +60MB HD	439
1200 +80MB HD	469
1200 +120MB HD	509
1200 +207MB HD	549
Extra 4MB + clock fitted	ADD £200

**CBM APPROVED HARD DRIVES
Full legal installation/utility disc and documentation and come with CBM on-site warranty service.

DON'T FORGET YOUR STARTER PACK! ADD £15 (SEE VALUE PACKS BELOW)

SPECIAL
Deskjet 500C and Starter Pack with any Amiga ONLY £285

FREE WITH ALL 1200s
NIGEL MANSELL AGA, TROLLS AGA AND COMPILATION PACK
4 (top games)
OR
WORKS PLATINUM
(see Home App. Pack below)
OR DESKTOP DYNAMITE PACK
Wordsworth 2 AGA, Deluxe Paint 4 AGA, Oscar AGA + Dennis, Print Manager
ADD £49 (1200s only)
Limited - While Stocks Last

HOBBYTE VALUE PACKS

Hobbyte are famous for their packs, allowing you to choose what you want, whilst still benefitting from package deal savings.
Remember, a bargain is only a bargain when you like what you get! So, if you aren't Wild, Weird or Wicked, Sleepwalker sends you to sleep, Space Ace leaves you feeling empty, Paradroid does worse, if Basic basically isn't you, exercise your options and get real value for money from Hobbyte

TRAMPY'S AND NODDY'S PACK

Fun and educational for 2 to 11 years
(Some help may be required)

SPECIAL WITH AMIGA **£39** | ALONE **£59**

Noddy's Playtime OR Big Adventure OR Merlins Maths	8 magical learning games at 3 levels, PLUS Junior Art pack, keyboard overlay and map. 6 National Curriculum oriented games, stage 2, 7 to 11
The Shoe People OR Fun School 2	6 games with Trampy and friends, 6 years and under. The "Fun School" suite have won every award going. 5/6 wonderful animated games. 3 to 11 years, specify age.
Fun School 3 or 4 OR ADI Jnr Reading OR Counting	The loveable extra terrestrial entertains 4 - 7 year olds and helps towards achieving National Curriculum levels 1, 2+ 3
Deluxe Paint II + 700 Clip Art pics	Pics inc. children, Fairytale + Legend characters, Sport, Cartoons, etc.
Hobbyte Primary Educational PD Pack	Containing 10 fun while you learn games
Hobbyte 30 Easy Children's Games Pack	Simple games, or those with very easy levels. Even the youngest will be able to use some of these

SERIOUS USER'S PACK

Interested in music, programming and graphics? Then this pack is for you!

WITH AMIGA **£39** | ALONE **£49**

Easy Amos	THE programming language. Wonderful manual is simple and entertaining - ideal for complete novices
OR AMOS Professional ADD £10 for this option	97% AF rating - the second highest rating EVER given. Learn to professionally create your own games, utilities. Loads of sample progs included
Hobbyte AMOS PD Greats	Dozens of utilities, Protracker music modules, example programmes that no AMOS programmer would be without.
Deluxe Paint III, plus 700 Clip Art pics	Create your own designs to incorporate into your AMOS progs
MIDI Recording Studio & MIDI Interface	If you have a MIDI instrument, this is everything you need to compose and edit your music
OR AmigaVision	Powerful presentation and production tool

STARTER PACK

A must for new users! All you need in one value pack

WITH AMIGA **£15** | ALONE **£25**

10 blank discs	Make working copies of Workbench and other original applications discs as soon as you get them
Virus Killer	Check discs regularly, especially if sharing with friends
Mouse mat	Helps prevent dirt/dust collecting on mouse contacts

Plus Microswitched Joystick, 80 cap. lockable disc box, Dust Cover

HOT BUG GAMES PACK

The top-selling Hobbyte Hot Lot pack now includes the ultimate joystick !!!

WITH AMIGA **£44** | ALONE **£59**

"THE BUG"	The only joystick ever to be given a Gold rating 92% AF, positive single-handed action, small and lovely!
10 "Hot List" Games The GREATEST!	See listing to the right for current HOT LIST, or phone for latest changes. Children's games available.
80 Prog. Hobbyte PD Greats Pack II 10 blank discs, mouse mat, 80 capacity lockable disc box, plus dust cover	Includes top games like Battlecars, Star Trek, Computer Conflict, Megaball, dozens of arcade classics, board classics and 'shoot-em-ups', Utilities, Word Processor, Spreadsheet, Database + Desktop Publisher and the ultimate virus killers - a must for every Amiga owner!

HOME APPLICATION PACK

Perfect for all Home Office needs

SPECIAL WITH AMIGA **£29** | ALONE **£49**

Virus Killer Disk,
80 Prog. Hobbyte PD Greats Pack - see 'Hottest Lot Pack'
The Works Platinum — WP with UK spell chck, Thesaurus spreadsheet, 'Sideways' utility, database, graphics + comms module
Deluxe Paint III* with animation + 700 Clip Art pics
Digita Home Accounts — Keep track of credit card and bank accounts, budgets, etc
Any Two Hot List Titles

THE HOT LIST

GREAT individual packaged games BETTER THAN THE REST !!
(previous RRPs up to £39.99 each)
ANY 10 £29.99
Or see packs across

Thunderbirds (7yrs+) ‡ - 92%
Silly Putty - 90%+ lots of mags
Elf/Toki/Puzznic (counts as 2)
Paperboy II ‡
Die Hard 2
Colossus Chess @
Challenge Golf
Battleships classic board game
Graeme Souness Soccer
Neighbours
Frankenstein ‡ @
Captain Planet
Silkworm Helicopter @ 93%
Tag Team Wrestling
Edd the Duck ‡
Stack Up ‡
Lemmings 92% AF
Round the Bend ‡
Fist Fighter
Sporting Triangles
World Cricket
Bart Simpson
Spiderman/Cptn America ‡
Arcade Trivia
Xenon - C+VG Game of the Month
Blade Warrior - A Power, AF, ACAR superb reviews
Arnie
AWARD WINNERS
Space Ace, Kick Off, PipeMania, Po (counts as 2)

‡ PARTICULARLY SUITABLE FOR CHILDREN (MAY NEED HELP)
@ NOT A1200 COMPATIBLE
TITLES MAY VARY

STOP PRESS! Desktop Dynamite AGA pack (see 1200 box) £69 with Amiga £79 alone

*DPIII needs 2MB for animation on HD models

• AMIGA SPECIALISTS • STAR GOLD DEALER • CDTV CENTRE • PHILIPS APPOINTED DEALER

MONITORS/ACCESSORIES

CBM 1084SD + leads + 2 games	188.99
Philips UK 8833 MKII mon.+leads + on-site	199.90
Tilt + swivel stand for 8833	12.99
CBM 1940 dual sync .39 dpi AGA monitor + speakers	269.99
CBM 1942 dual sync .28 dpi AGA monitor + speakers	339.99

MICROVITEC CUB-SCAN 1440 14" .28dp for 1200/4000, in-finately variable scan rates between 15KHz (default on boot-up) and 40 KHz for all AGA modes in this range. With tilt and swivel stand. "CUA BEST BUY" ...399.99

Microvitec Cub-scan .28dp for 1200/4000 as above, but 20"	1039.99
Microvitec Cub-scan .1782, 17", .27dp, 29-82 KHz horiz. scan	889.99
Adaptor for A1200/Microvitec	29.99
EIZO 9060M Multi-Sync for 1200/4000 models	595.00
CBM 1936 Hi-res SVGA .28dp inc. tilt & swivel	259.99
NEC 4FG Multi-Sync	544.99
Philips Brilliance 2110 21"	1790.90
PiP View TV tuner+remote with sub picture for monitors	113.99
Zy-Fi Speakers	37.90
Zy-Fi Pro Speakers	57.90

FLOPPY DRIVES

Zydec 3.5 external drive, daisychain + on/off	51.50
Cumana CAX 354 3.5 external drive, beige	56.50
PC 880B with anti click + Blitz back up and virus protector	59.90
PC 880B as above, Cyclone compatible	64.99
Dual drive as PC 880B	124.99
High density 1.76MB ext. drive for any Amiga (WB 2)	98.50
High density 1.76MB ext. drive for any Amiga (WB 2) + 10 HD Discs	104.95
Power HD internal floppy for 1500/2/3 4000	94.90
Power HD internal floppy for500/600/1200	94.90
A500 replacement internal floppy	64.99
A600/1200 replacement internal floppy	69.99

HARD DRIVES/ACCELERATORS

1500/2000

GVP HC8/II 40MB	196.99
GVP HC8/II 80MB	289.90
GVP HC8/II 120MB	374.90
GVP HC8/II 213MB	479.90
G-Force 030 25MHZ 1MB	384.99
G-Force 030 40MHZ 4MB	684.99
G-Force 030 50MHZ 4MB	984.99
G-Force 040 33MHZ 4MB	1284.99
Extra 2MB for above	POA
Trifecta SCSI 80MB HD	234.90

3000/4000

Fastlane SCSI II controller for 4000	299.90
DKB 4091 SCSI II	269.99
Syquest 44MB internal	289.90
Syquest 88MB internal	359.90
Spare Syquest 44MB cartridge	69.50
Spare Syquest 88MB cartridge	99.50
A4000 130MB	159.99
A4000 170MB	169.99
A4000 214MB	199.99
A4000 260MB	229.99
A4000 340MB	329.99
A4000 450MB	439.99
A4000 525MB	599.99
Self fitting - fitting by our engineers ADD	£15

500

A530 1MB 40MB	392.00
A530 1MB 80MB	489.00
A530 1MB 120MB	589.99
A530 1MB 213MB	693.99
A530 68882	218.99
GVP HD8 42MB	194.90
GVP HD8 80MB	296.99
GVP HD8 120MB	394.99
SOME HD8 REFURBS AVAILABLE...	FROM £169
A590 20MB	199.99

A500 Internal 20MB HD	184.99
A500 Internal 60MB HD	249.99
A500 Internal 80MB HD	279.99
A500 Internal 120MB HD	339.99
Trifecta SCSI 80MB HD	289.99
A570 for 2.04 1MB 500	98.90

A600/1200

GVP 85 MB HD 600/1200	274.99
GVP 1230 030 accel for 1200	239.90
GVP1230/40MHZ/4MB 68882	
Co-Pro for 1200	479.99
M1230 XA 40MHz	269.99
M1230XA 40MHz 4MB	429.99
M1230 XA 50MHz 4MB	519.99
Microbotics VXL30 25MHz	219.99
VXL 30 40MHz	339.99
2MB Burst RAM for above	179.99

A600/1200 HD UPGRADES

	SELF FITTING* (on-site invalidated)	CBM APPROVED FITTING** (with on-site)
20MB	85	-
40MB	139	-
60MB	175	199
80/85MB	179	249
120/127MB	215	329
240/250MB	349	499
INTERNAL CLOCK		POA

*with cable & disc ADD £14.99 for Hobbyte fitting
**Including FREE courier collection & delivery

1200 OVERDRIVE EXTERNAL HD's

Overdrive 35 40MB HD	187.50
Overdrive 35 80MB HD	247.50
Overdrive 35 170MB HD	317.50
Overdrive 35 220/260MB HD	337.50
Overdrive 35 340MB HD	417.50
Overdrive 35 540MB HD	POA

AMIGA 24 BIT HARDWARE

TOASTER COMING SOON!

DCTV	376.99
GVP IV + VIU-S	965.99
GVP IV + VIU-CT	1255.99
Impact Vision 24	POA

HARLEQUIN 32 BIT FRAMEMAKER BOARD

• 16.7 million colour photo realistic display • real time 24 bit animation • Optional Alpha Channel - superimpose high quality graphics onto live signal, or smoothly blend paint images • Optional Double Buffering - 2, 24 bit displays instantly available

SUPPORTS: TV Paint, Vlab, Calligari, Sympatica, Ad Pro, Real 3D + others

H1500 1.5MB	£929	*H2000 Plus	£1479
H2000 2MB + Alpha	£999	*H4000 Plus	£1579
H3000 3MB +D/Buffer	£1099	**FREE V lab Framegrabber with Harlequin Plus**	
H4000 4MB + Alpha +D/Buffer	£1279		
Genlock	£199	*Plus versions inc. Genlock, extra screen resolutions + modes, 4 Alpha Chanel + more	

AMAZING PRICE!

PICASSO 24 BIT GRAPHICS CARD + FREE Personal Paint Card Lite ... **£324.99**

PICCOLO 24 BIT GRAPHICS CARD
16.7 million colours, on-board blitter, 1MB exp to 2MB video RAM, fully programmable resolution, double buffering + multiple screen + AREXX. support. Supports leading graphics packages/applications. With FREE TV Paint Jnr ... **£379.99**

RAINBOW III 24 BIT GRAPHICS CARD + VIDEO CONTROLLER ... **£1489.99**
Similar to Piccolo but with 4MB video RAM, programmable resolution to 1600 x 1280, built-in video controller inc. 110MHz clock. With FREE TV Paint Jnr.

PEGGY MPEG VIDEO CARD ... **£479.99**
Take 24 bit animations from disc or other storage devices and replay in real-time through the Amiga! Use integrated genlock to overlay Amiga graphics for sophisticated titling and special effects, to produce stunning promotional/training videos, or games with live video footage. Near SVHS quality, 16.7M colours, MPEG tools + library functions, 25 frames/sec playback.

YC Output module for Peggy	£129.99
MPeg encoder option for Peggy	£349.99

OPAL VISION (for 3000/4000)
24 bit board v2+ Opal Paint, Opal Presents, Opal Hotkey, Opal AminMATE ... 589.99
ALSO WITH IMAGINE SOFTWARE
IF YOU HAVE PURCHASED OPALVISION, YOU MAY HAVE RECEIVED VOUCHERS AGAINST THE FOLLOWING NEW PRODUCTS., WHICH WILL BE ACCEPTED BY HOBBYTE IN PART PAYMENT

Video Processor for Opal Vision WITH VOUCHERS	647.99
Video Suite for Opal Vision WITH VOUCHERS	647.99
Scan Rate Converter for OpalVision WITH VOUCHERS	647.99
Retina 24 bit graphics card + 1MB + VD Paint	329.00
Retina 24 bit graphics card + 2MB + VD Paint	395.00
Retina 24 bit graphics card + 4MB + VD Paint	489.00
V lab 24 bit real time digitiser 1200/600/500 ext	334.99
V lab 24 bit real time digitiser 1500/3000/4000 int	289.99
V Lab 4000/3000 int SVHS	334.99

FREE V lab Framegrabber with Harlequin [illegible]

EMULATION

G Gate 386sx 25MHz	386.99	386 Bridgeboard	199.99
GVP 286 for GVPII +530	146.99	486 Bridgeboard	299.99
GVP 40/4 for 1500	945.99	Emplant	245.90
AT Once	214.99	Emplant Deluxe	339.90

SCANNERS & DIGITISERS

Epson GT 6500, 600dpi 24 bit A4 inc. Scan s/w	779.00
Epson GT 8000, 800dpi 24 bit A4 inc. Scan s/w	1099.90
Power Hand Scanner, 400 dpi, 64 Greyscale, Powerscan software	88.99
Power Hand Scanner as above, V3 for 1200/4000	104.99
OCR software for Power Scanner	48.50
Power Colour Hand Scanner	219.49
Sharp JX 100 A6 Scanner + scanlab s/w up to 18 bit	469.99
Summa Sketch II A4 with s/w/A3 Tablet Digitiser	359.99/529.99

GENLOCKS/MODEMS

Rendale 8802 (1200 compat)	139.99	Video Pilot v330	1094.94
Rendale 8802 FMC	159.95	Rocgen+ 1200 compat	158.50
Rendale 8802 SVHS/8860	469.99	Rocgen Rockey	119.50
Hama Genlock 292	283.90	Supra 2400 Modem	78.95
Hama Genlock S290	689.99		
GVP G-Lock	283.90	Supra Fax Modem	148.90

SUPRA 2400+ FAX/MODEM
With 9600 Fax, 2400 Data Fax Software, Atalk 3 Comms S/W, Modem Leads & Power supply ... **£148.99**

SUPRA 14440 FAX/MODEM
As above, but up to 14,400 Fax/Data ... **£279.00**

Rocgen plus Rockey Bundle ... **£239.90**

ACCESSORIES & DISCS

A500/600/1200 printer centre	28.99	Alien/Batman/T2 Joystick	10.99
A500/1200 control centre	34.90	Bug Joystick	11.99
A600 control centre	27.90	CDTV Keyboard	54.99
Brickette CDTV Joystick adapt.	39.99	Zy-Fi Speakers	37.90
10 Blank DS/DD discs in box	4.99	Zy-Fi Pro Speakers	57.90
10 Blank DS/HD discs	6.99	50 Blank DS/DD discs	17.99
A520 Modulator	29.99	50 Blank DS/HD discs	27.99

EXPANSION

A500 512k Ram Exp+Clock	21.99	PC1208 bare	55.90
A500+ 1MB exp	29.99	PC1208 2MB	137.90
A500+ 2MB, exp. to 8MB	149.99	PC1208 4MB	214.90
A601	37.99	PC1208 8MB	396.90
A600/1200 2MB exp (card)	137.99	MBX 1200 bare	54.90
A600/1200 4MB exp (card)	169.99	MBX 1200 2MB	134.90
CDTV 1MB exp + Super Agnus	157.99	MBX 1200 4MB	194.90
A500 Rom Sharer 1.3	37.95	MBX 1200 8MB	379.90
A500 Rom Sharer 2.04	38.95	68882 25MHz for MBX/1208	79.90
A600 Rom Sharer + 1.3	49.95	68882 50MHz for MBX/1208	159.90
A2065 Ethernet Card	229.95	CBM 2.1 upgrade kit	74.99
Blizzard 1200 4MB	159.90	Amitec 16bit 0MB exp for 1200	76.90
Blizzard 1200 8MB	299.90	Amitec 16bit 4MB exp	POA
Blizzard 1200 4MB 25MHz	299.90	**Chip fitting and board upgrade avail., by our qualified engineers**	POA
Blizzard 1200 4MB 50MHz	POA		

PRINTERS

2YR WARRANTY WITH CITIZEN

	ALONE	WITH STARTER PACK
Citizen 120+D	111.99	ADD £12.99
Star LC20	119.90	
Citizen 90 mono*	144.49	
Citizen 90 colour*	154.49	
Citizen 124D	176.99	
Star LC 100 9 pin col	149.99	
Panasonic KXP2180 col	159.90	
Star LC200 col	184.99	
Star LC 24-20 II	218.49	
Star LC 24-100 24 pin	173.49	
Star LC 24-200	209.99	
Star LC 24-200 col	248.49	
Panasonic KXP 2123 col	209.99	
Epson LQ 100	179.99	
Epson LQ 570	259.90	
Epson LQ 870	469.90	
Epson LQ 1170	569.90	
Citizen S200 24*	184.99	
Citizen S200 24 col*	199.99	
Citizen S240*	187.90	
Citizen S240C col*	233.90	
Citizen S24x col*	325.90	
Star LC24 - 30 Col	218.90	
Star LC24 - 300 Col	275.90	
Citizen col Note. Printer II	POA	

Welsh Character Set available on request for Citizen Swift 90,200 & 240

UNBELIEVABLE INKJET PRICES!!	ALONE	WITH STARTER PACK
HP Deskjet Port.	249.00	ADD £12.99
Epson Stylus 800	239.90	
Citizen Projet II	228.90	
HP Deskjet 510	249.90	
HP Deskjet 500col§	295.90	
HP Deskjet 550C§	495.90	
HP Deskjet 1200C	1249.90	
Canon BJ10SX Port	189.99	
Canon BJ 200 (WITH FREE SHEETFEEDER)	295.90	
Canon BJ 230 A3	339.90	
Canon BJ 330 A3	449.90	
Canon BJ 300	359.90	
Canon BJC 600 Col	559.90	
Star SJ 48	198.99	
Star SJ 144	519.90	
LOWEST PRICE LASER QUALITY OKI OL 400e LASER	509.90	
CITIZEN LASER 6000	POA	
Panasonic KXP 4410	539.90	
Panasonic KXP 4430	689.90	
Star LS 5 laser	569.90	
HP Laserjet 4L	569.90	
HP Laserjet 4	1289.90	
Star LS 5ex 5ppm 2 bin	659.90	
Sharp JX 9500 9ppm	599.50	

PRIMERA COLOUR PRINTER
If you've admired the saturated colours of the Mitsubishi and other thermal wax printers at exhibitions, but couldn"t afford the £4000+ price tag, the Fargo Primera is the printer you're looking for. Less than a third of the price of the nearest rival,
Primera offers:
• Photo-quality, rich bright colours
• Cost per page less than ink jet
• Up to 4 times faster than ink jet
• A4, transparencies + T-shirt transfer paper printing

Complete with Amiga driver (Windows or Mac driver if preferred) and Amiga lead. ... **£689.90**

§Studio driver/Utility (WB 2 & above) highly recommended ADD £39.95

STARTER PACK: 500 Sheets A4 paper, Amiga to printer lead, Universal Printer Stand & Driver * with Print Manager

SOFTWARE

GRAPHICS/CAD

Aladin 4D	213.99
AmigaVision	17.90
Art Expression AGA	134.90
Art Dept. Pro 2.3A	134.90
AdPro Prof Conversion	48.99
Brilliance	133.90
SPECIAL £140 OFF Caligari 24	94.90
Caligari Broadcast 3	396.90
Cine Morph	29.99
Deluxe Paint IV	53.99
Deluxe Paint AGA	62.99
Disney Animation	56.90
Distant Suns	49.49
Essence	44.50
Expert Draw	39.90
Gallery	39.49
Image FX V1.5	187.90
Imagine v2	149.99
Image Master AGA	139.90
IntroCAD Plus	63.99

Morph +, top of the range package at £138.99, Cinemorph at £24.99 (RRP 49.99)

Pixel 3D Pro	119.95
ProDraw 3	68.50
ProDraw 4 AGA	POA
Real 3D Classic	78.90
Real 3D v2	394.90
Scala 500 HVT	64.49
Scala Pro MM210	137.90
Scala MM200 Supp. AGA	274.99
Scala Pro MM300 AVAIL NOW	322.90
Sculpt Anim.4D	198.99
Spectra Colour	57.99

SYMPATICA II
Do your animations slow down in real time? SII will turn them into smooth 25 frames/sec masterpieces. Also 24 bit Rotascope video is frame accurately digitised, modified + re-recorded - inc deck controller h/ware ... 329.99
Software only ... 189.99

Take 2	36.90
TV Paint 24	249.90
TV Paint Junior	179.99
Vista Pro 3	49.99
Vista Makepath	24.99
X CAD 2000	90.50
X CAD 3000	249.99
X CAD 2 to 3 upgrade	149.99

VIDEO PROD/ TITLING

A Video + TV Paint V2	588.90
Adorage	48.50
AmigaVision	17.90
Broadcast Titler II	173.90
NEW-Broadcast Titler AGA Super High res	239.90
Broad T Font Enhancer	POA
Broad T Font Pack	POA
Deluxe Photolab	51.49
imagemaster	159.99
Montage 24 AGA -titling + grahics for Opal Vision and Impact Vision	POA
Morph+	138.99
Pro Video Plus	137.99
Scenery Anim 4	£57.99
Scroller	59.99
TV Record	189.99
TV Show Pro	51.39
TV Text Pro	79.50
Video Studio 3	115.95
Video Director	118.90
Video Effects 3D	POA
Video Master	49.49
Vidi Amiga 12 V2	74.50
VIDI OFFER - Vidi Amiga 12 with Megamix Master	£97.90
Vidi 12 Real Time	154.99
Vidi 24 Real Time	222.90

Video Timelapse VTL - creates stunning timelapse sequences - flowers opening, clouds, with sophisticated light/motion etc., record trigger inc. deck controller h/ware ... 329.90
Software only ... 189.99

EDUCATIONAL

Any Fun School 3 or4	15.99
Any ADI	16.99
Merlin's Maths	16.99
Paint & Create	16.99
Spelling Fair	16.99
Any Noddy	16.99

See also software packs

UTILITIES/LANGUAGES

AMAX II Plus	249.99
Ami back	39.90
Ami back Tools	39.39
Amos 3D	21.49
Amos the Creator	30.95
Amos Compiler	19.49
Amos Prof.	32.99
Amos Prof. Compiler	24.99
Easy Amos	22.49
Blitz Basic 2	49.90
CanDo 2.5	93.50
Cross Dos v5	29.75
CygnusEd Pro 3.5	69.75
Directory Opus 4	43.90
GB Route +	32.99
GFA Basic	8.99
Gigamem	47.50
SAS/Lattice C	255.99
Quarter back	39.49
Quarter back Tools Deluxe	59.99

PEGGER - Vital for graphics-users! ... 79.95
Fully integrated JPEG utility gives enormous hard disc space savings - 100MB of framestores will compress to under 10MB. 'Snoop' gives JPEG capability to programmes that don't otherwise support JPEG, such as DPAINT IV AGA, so they can load + save JPEG files.
Amiga DOS 2 and 3 compatible AREXX, 24 bit IFF, DCTV, Toaster and Ham 8 Support.
Fast, seamless background operation

True Print 24	47.90
VIDEO TAPE BACKUP UTILITY	£57.50

Backup upto 120MB onto one 3 hour tape

Xcopy Pro	34.95

APPLICATION

Arena Accounts	82.50
Excellence 3	89.90
Final Copy V2	63.99
Final Writer	99.90
Kind Words III	17.90
Maxiplan Plus v4	17.90
Mini Office	37.49
Pagestream 2.22	62.90
Pagestream v3	219.90

AF GOLD WINNER

Pagesetter 3 AGA	41.90
Pen Pal 1.5	28.50
Pers Finance Man +	29.50

Professional Page 4.1 AGA RATED as the current top DTP package by the independant magazines, 94% AF ... 119.49
SPECIAL ProPage 4 & ProDraw 3 -professional illustrator's Both for Only ... £159.99

Protext 5.5	POA
Publisher	17.90
Saxon Publisher	177.95
Superbase Personal 4	104.90
Superbase Pro 4 V1.3	214.99
Typesmith	122.90
Wordsworth AGA	44.90
Works Platinum	38.99

MUSIC

AD 10 12 Studio 16 Sampler	349.95
Audio Engineer +2	189.49
Audio Master 4	41.49
Bars & Pipes 2	225.90
Clarity Sampler	104.99
Deluxe Music Const II	67.90
GVP DSS PLUS	59.90
Megalosound sampler	23.90
Midi Interface	19.95
Miracle K'board/Tutor	277.99
Rombo Megamix Mstr (see offer with Vidi 12)	27.99
Stereo Master	26.99
Superjam	82.90
Technosound Turbo	25.50

LEISURE TOP SELLERS

Alien Breed II AGA	22.90
AV8B Harrier Assault	27.49
Battle Chess	14.99
Blade of Destiny	24.49
Body Blows Galactic AGA	23.90
B17 Flying Fortress	22.99
Campaign	22.99
Championship Manager	16.49
Elite II	22.90
Epic	*9.99
F1 Grand Prix	*24.99
Gunship 2000	24.99
History Line	21.69
Indiana Jones	23.99
Lemmings 2	18.90
Micro Machines	18.90
Monkey Island II	23.99
Putty	*12.99
Robocod AGA	15.69
Sensible Soccer	15.95
Streetfighter II	17.49
THUNDERBIRDS!!	12.99
Their Finest Hour	5.99
Trvial Pursuit	*9.99
Wing Commander	19.49
Zool	15.99

*Price applies only with Amiga hardware purchase

CD DISCS
All CDTV titles 15% off RRP.
Pandora ... £479
2,000 Clip Art & 99 Sounds

CD[32] DISCS
Loads available - Phone - including:

Jurassic Park	27.99
Lotus Turbo Trilogy	27.90
Luna'c/Overkill	21.90
Super Putty AGA	11.90
Sensible Soccer NAGA	18.90
Winter Super Sports	21.90
Zool II	21.90

SPECIAL - ANY 3* 59.90
*up to 34.99 RRP

BOOKS
Understanding Imagine II ... 22.90

NO DEPOSIT CREDIT AVAILABLE (subject to status), 29.8% APR, written details on application. All major debit cards accepted, no surcharges.

ORDERING:

TELESALES NO: 0727 856005 FAX: 0727 834944

Same day despatch for debit or credit card orders placed before 5pm subject to availability. Alternatively send cheque, postal order, bank draft or official order (PLCs, Education and Government bodies only) to; Dept AC, Hobbyte Computer Centre, 10 Market Place, St. Albans Herts AL3 5DG. Please allow 7 working days for cheque clearance. Subject to availability, despatch is normally within 24 hours of receipt of cleared payment. Prices are correct at time of going to press, however, we are sometimes forced to change them, either up or down. Please check before ordering. Additional services and different packages may be offered in our showrooms, and prices may vary from Mail Order prices. Personal callers are asked to quote this ad to ensure Mail Order packages are offered.

DELIVERY CHARGES: UK MAINLAND (NOT HIGHLANDS)

Small consumables & software items	Despatched by post, please check charges when ordering
Other items, except lasers	Next day courier service, £10 per box
Offshore and Highlands	Please enquire

IN ADDITION WE OFFER THE FOLLOWING EXPRESS SERVICES:

Saturday deliveries	Normal rate plus £15
Am next day	Normal rate plus £8

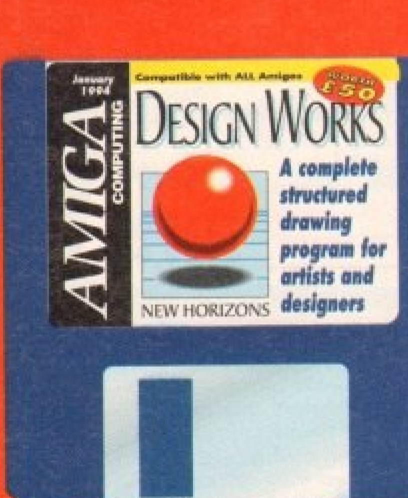
NO DEPOSIT CREDIT FACILITIES
Credit terms at 29.8% APR (variable) can be arranged for purchases over £150, subject to status. Competitive leasing schemes are also available for businesses, including sole traders and partnerships. Just telephone for written details and application form.

TELE-ORDER (0727) 856005

• HP AUTHORISED DEALER • CITIZEN DEALER PLUS • Amiga prices, except where stated are inc. VAT. E&OE

With Design Works and Vidi Amiga, we bring you an artistic double act that's hard to beat

the DISK





Design Works is a structured drawing program, which means it works in a very different way to DPaint and the other bitmap art programs most users have at one time owned or used.

Instead of storing its drawings as a map of pixels, rigid and set once saved, Design Works uses mathematics to describe the curves, colours, and areas covered by the drawing.

The method has one huge advantage over bitmap art in that the drawing can be scaled, rotated, and reshaped without losing resolution and without the jagged edges ("jaggies" as they're known) which result from changing the size of a bitmap drawing.

When the images are printed, either from a word processor or DTP package or from Design Works itself, it is printed at the highest possible resolution, leading to crisp outlines and no jaggies.

Everything needed to run the program is present on your CoverDisk, including a fonts directory, and it is easy to install Design Works on hard drive.

Simply boot from your normal system partition, put the Design Works disk in df0: and type the following commands:

```
MAKEDIR DH0:DESIGNWORKS
COPY DF0:#? TO DH0:DESIGNWORKS ALL
```

Now just double click on the Design Works icon on your hard drive and off we go. The directory you have created includes a directory with four fonts – System, Times, Helvetica, and Courier. If you do not have these fonts already, copy them to your fonts directory using the command:

```
COPY DH0:DESIGNWORKS/FONTS/#? TO FONTS: ALL
```

Of course, DH0 has been taken as an example, but if you have a partition called Work or DH1, just replace DH0 with this drive name in the commands listed above.

Right, let's start the program by double clicking on the Design Works icon. There will be a delay while the program reads the fonts directory, then a window will open up showing a blank page superimposed by a grid, and three windows for the toolbox and current pen and fill colours.

If you have a copy of the ProWrite

The

word processor, Design Works' interface will be familiar to you, but there should be few problems for those who haven't used a New Horizons package before as the usual hotkey commands do the usual things. Let's start with a sample document.

Select the Open option from the Project menu, then double click on the Sample Documents directory. There should be a number of examples in this

Vidi Amiga 12(RT)

Author: Rombo

The Vidi Amiga software on this month's CoverDisk is the full release of Rombo's latest software for the Vidi Amiga range of digitisers, bundled with the Vidi Amiga 12/24 (RT) hardware, with full grabbing and save options enabled.

Users of the existing Vidi Amiga 12 hardware should be able to make use of this software with the hardware they already have and those without the hardware can use it to process images or take advantage of the offer we are running in this issue to buy Vidi Amiga 12 (RT) at a reduced price.

As usual, the 12(RT) software has been archived so that we can unpack it onto its own disk, and as soon as this is over users should boot from the resulting disk.

The software runs from Workbench and on appearing will offer a main screen with the four main sections and two preferences screens available via button controls. Most readers won't have the Vidi hardware and those that do won't need to be told how to use the grabbing screen, so let's go straight to the edit menu.

Click on the Load button at the bottom of the screen and select Sean.ilbm from the file requester to load a digitised picture of Sean Connery. If you have a non-AGA Amiga, this Ham8 image will not be displayed, so load the test card image from the Vidi disk or choose a Ham file from your own art work. Now that we have some data to operate on, click on Edit to go to the edit screen.

Before any editing takes place we must convert the image into RGB data for 12(RT) to go to work, so choose GetRGB from the list of operations in the centre window. The command name will appear on a button to the right of the window and if we click on it the operation will be carried out.

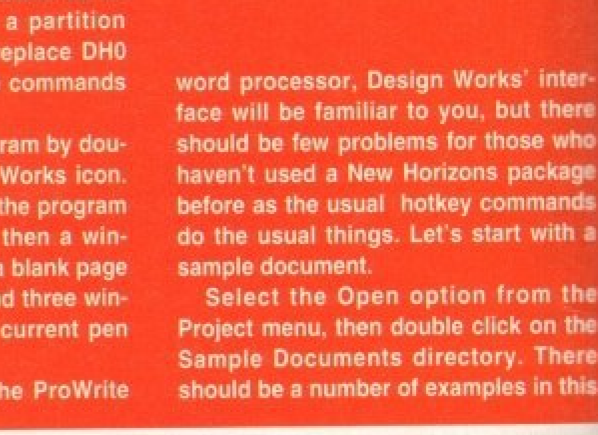
PROCESSING

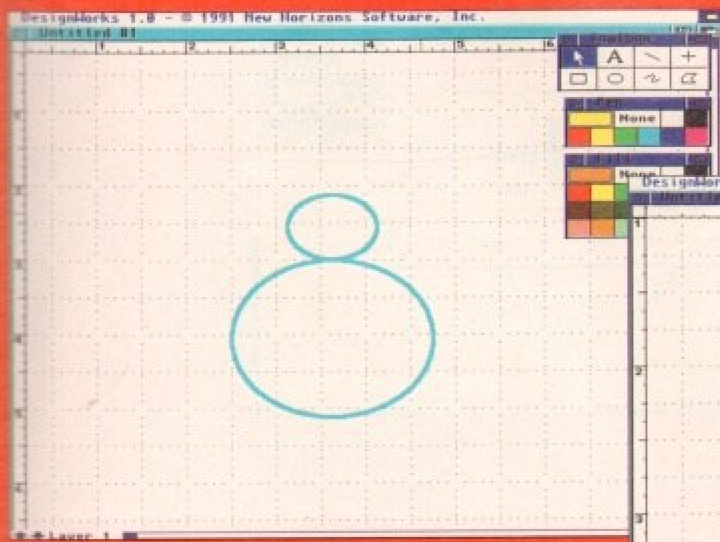
Once that's done, we can start to mess about. For complete fiddliness, using every one of the processing controls in a random order would give you an idea how they all work, but there are one or two more spectacular ones we can go straight to.

The first process we'll try is emboss, which will convert the picture to a grey scale relief map of Sean's fizz. There are no user-definable settings for this feature, so just click on Emboss and wait for Sean to be turned to stone. Take a good look at the display and note that whiter areas appear higher and darker areas lower. Users can create very neat effects by loading DPaint IFFs and applying this or any of the other Edit features, so keep an eye open when using this software for opportunities where it might be useful.

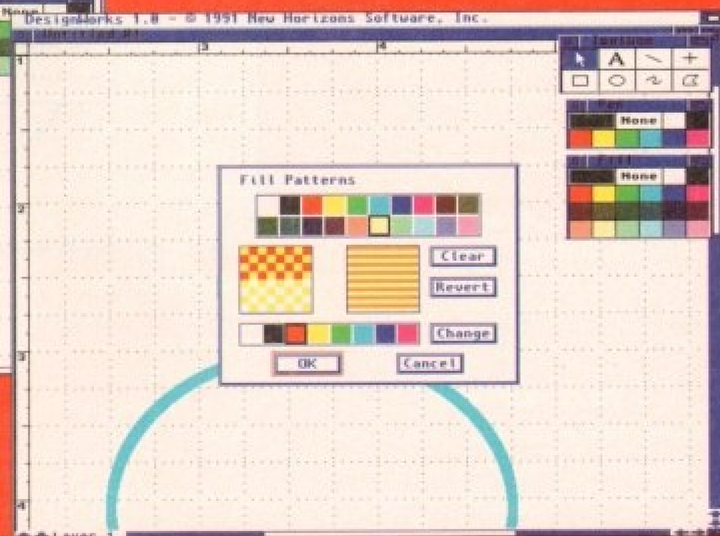
Before any other operation is carried out, click on Undo for the image to be rapidly returned to normal. Vidi Amiga 12(RT) keeps a buffered copy of the original image to ensure that the user can experiment without constantly loading the image back in again.

At all times, the image's size and whether or not it has





Start at the beginning with the simple body and head shapes



Now edit the pattern fill to produce an orange effect

getting hold of the ball, click on an area of the background it is sitting on and select Move to back from the Arrange menu.

Once the ball object has been ungrouped you will notice that it was made up of the red ball, a spot highlight, and an area of shadow, which were grouped together to give the impression of a 3D ball. You should by now have realised that a structured drawing is made up of many component drawings grouped together to form the whole and that any drawing can be edited by ungrouping it and rearranging its parts.

How much easier is this than rubbing out a line or filled area in DPaint? Lots. Now select Close from the Project menu, don't bother saving changes to the drawing, and we'll draw a seasonal snowman.

Our snowman will be made up mostly of two white circles, one each

estructure of art

directory, so double click on the NH Logo file to load it up. This is a simple drawing of the New Horizons logo and we'll use it to show how structured drawings are put together.

Look at the toolbox window and you should see that the arrow icon is active. This means we are in object manipulation mode, and if you click on the logo itself, drag points should appear at its four corners. Keeping the left mouse button down, drag the drawing around the screen and release the mouse button, then click on one of the four drag points and move it around. Notice how the pointer changes to a crosshair and we can alter the width and height of the drawing?

Move the drawing to one side and make sure it is more or less the same shape as it was imported, then click once on it with the left button to make it active and select Ungroup from the Arrange menu. The ball in the middle of the logo should now have its own set of drag points. What we have done is to split the drawing down to its next most complex component parts, and we can now drag the ball around without affecting the rest of the drawing.

For now, drag the ball to the middle of the screen and use the Ungroup option again. If you have any problem for the head and body, but if we draw them as white against a white background things could get tricky.

Look at the Fill and Pen colour windows on the right of the screen, and choose white as the fill colour and light blue as the pen colour so that we can see the outline of our circles.

Now draw two circles and drag or re- ➤

---

been converted to RGB are displayed on the right, so there should be no confusion when working with a number of frames.

Go back to the main screen by clicking on the close gadget on the Edit screen's window and click on the Carousel button. This option enables the user to load a number of frames from an animation or sequence of digitised images and edit the order they appear.

Sequences can be played from here at varying frame rates, backwards or forwards, and frames can be moved to a new position in the sequence. For now there should be a thumbnail representation of the image we have in memory, so click on it once then on the Del button to start with a fresh slate.

Now go back to the main screen and load our image twice (yes, twice!) and return to the Edit screen. We should have two images in memory, a fact which is reported in the bottom right hand corner of the screen.

Use the GetRGB option with both images, swapping between them using the slider control, then go back to frame one. Click on the Cut button and cut out an area of the image (use the eye if you have loaded the Sean picture), then go to the second frame and click on paste.

You should now be able to paste the brush from the first frame into the second. If this doesn't happen it is probably because you've forgotten to GetRGB, so don't worry.

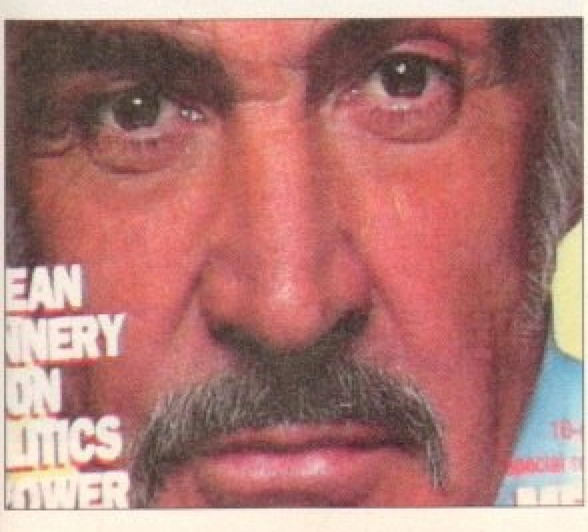
OK, we know how to load images, more than one if need be, use the processing tools on it, and cut/paste from one frame to another. The Carousel option now requires a bit more explanation.

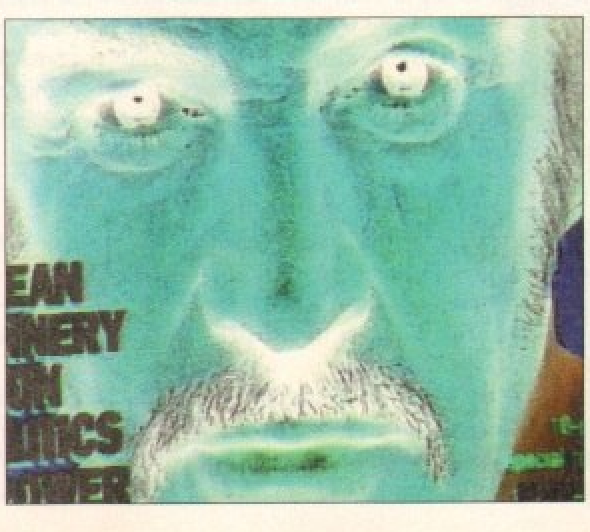
THUMBNAILS

When we go back to the Carousel screen, both frames should be visible as greyscale thumbnails. Notice that they are much clearer now that the program has some RGB data to work with.

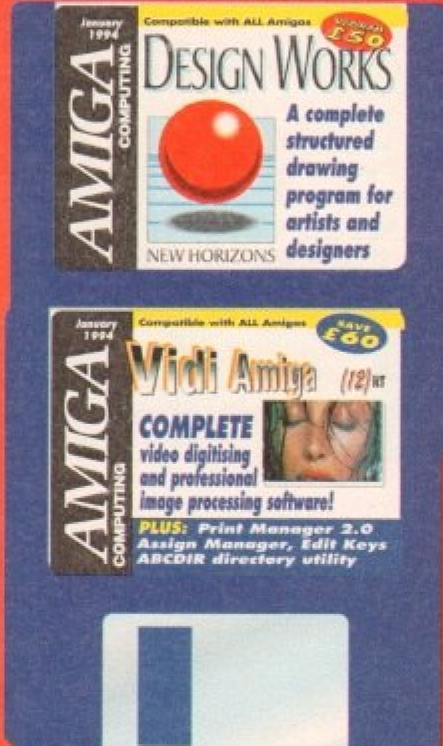
Starting from left to right we can see the program controls which enable us to jump to any other section, then a list of switchable file specification buttons, and finally a set of controls for editing and viewing a sequence.

The top button of the image specification controls can be used to toggle between two sets of images. Let's say we load a pure 24-bit file which the software will convert to a ➤





Vidi's image processing tools can take an ordinary picture and do some far from ordinary things to it. Here Sean has been turned into a colour negative and embossed



➤

size them using the drag points until they are in the rough shape of a snowman. You will have to click on the arrow icon once the circles have been drawn to put us back in manipulation mode.

Ensure that the head overlaps the body a little and use the Arrange menu to bring the head circle to the front of the drawing, then hold down the Shift key and click on both circles. This is called multiple selection and makes both objects active.

Next, choose Group from the arrange menu and we should now be able to move and re-size both circles as if they were one. For now, we don't want them grouped, so ungroup them and we'll add some detail.

First of all, some facial features. Select black as both the pen and fill colour, then draw a circle which we'll use as an eye. Now click on the black circle and choose Duplicate from the Edit menu. We didn't have to do this in such a simple case, but when you need two objects to look exactly the same the easiest way is always to create one and then duplicate it.

Move the two eyes to the correct position on the snowman's head, and notice how they don't move with complete smoothness. That's because the default for Design Works is that objects should align themselves to the grid you see superimposed on the screen.

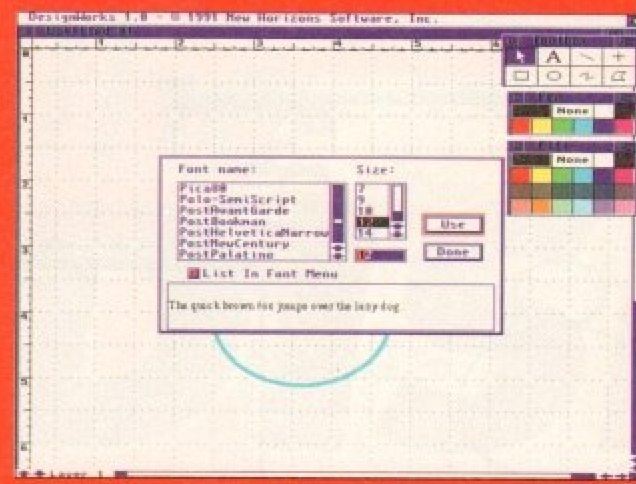
THE GRID

This method is handy to ensure that objects line up correctly with each other but can be a pain when trying to precisely arrange small details. Select Grid snap from the Layout menu to turn this feature off, then place the eyes correctly and turn grid snap back on. Easy, eh?

Now for the nose. We'll need a carrot, but there is no orange colour on our fill window. Design Works uses eight colours on-screen (the maximum which can normally be produced by colour inkjet or dot matrix printers) and dithers them to produce the impression of more colours.

In this way, the program works in the same way as your printer and makes it more likely that what you see on screen is what you get on paper. We need therefore to make a pattern which will look like orange, and easy job of mixing red and yellow.

Select Fill patterns from the Layout menu and a window will appear with the current fill patterns in boxes. To change one, click on the light yellow pattern (fifth from the right on the bottom row) and it will pop up in the edit windows.



Use PostScript or CompuGraphic fonts with Design Works

On the left is a close-up of the pattern and on the right is a representation of how it will look on-screen, so choose red from the selection of colours below the windows and fill in the white pixels with red. This will result in a red-yellow dither pattern which will look like orange. Click on OK once you're satisfied with this and make sure it is the current fill pattern by checking on the fill window.

To draw the nose, choose the closed polygon tool (extreme right, bottom row) and draw a triangle in roughly the shape of a carrot. Clicking on the first point to close the triangle will pop us back in manipulation mode, but if you want it is easier to draw two sides of the triangle and select Polygon...close from the Edit menu.

Now scale the triangle to the correct size and put it on the snowman's face. To finish the face, we need a mouth, so use either a few black circles or draw a smile using one of the drawing techniques we've already explored, and slap a grin on our frozen friend.

If you want to do some detailed work on any of the elements, choose Enlarge from the Layout menu, and remember that the mouth can be made to go under the nose by bringing the nose to the front using the appropriate option from the Arrange menu. Once the mouth is in place, multiple select the eyes, nose, and mouth and group them together.

Next we'll make a scarf using the freehand drawing tool (second from the right, bottom row). Select red as the fill colour and black as the pen colour and draw a scarf around the snowman's neck.

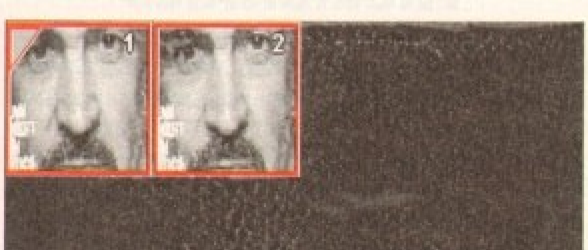
When you've finished this drawing, a spline-based polygon will appear complete with drag handles which you can use to alter the shape of the polygon.

Use the Enlarge option for close control of the polygon if required, then draw the second part of the scarf hanging down from the snowman's

➤

HAM image. We can't have that in the same sequence as a load of Ham8s, so Carousel starts another sequence off in memory.

Using the toggle button to swap between HAM and Ham8 will also swap between the HAM and Ham8 sequences. Next is the resolution button which does a similar job if there are two sequences with differing resolutions, a button to swap between single image settings and sequence, and finally the file format button.



The Carousel option is ideal for moving frames around

Clicking on this reveals that we may load a variety of images, from TIFF to BMP to 24-bit, all of which will be converted to RGB and displayed for the user to work on. Vidi Amiga 12 (RT) is therefore extremely useful for those who might have images taken from PC or Mac, as the TIFF and BMP formats are used extensively on those machines.

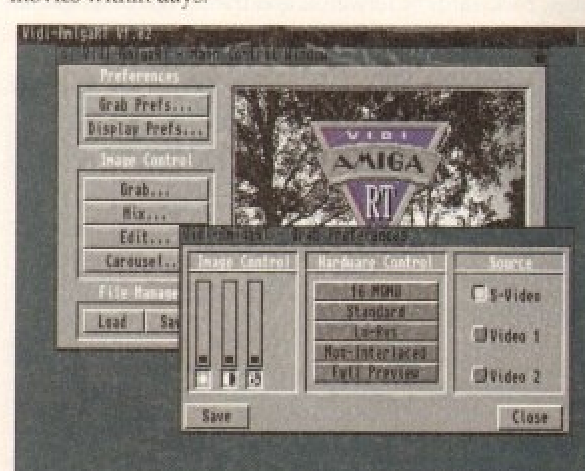
The next set of controls enable us to set the start and end point of any sequence we'd like to view and is accompanied by a slider giving variable control over playback speed. If you have a fast enough Amiga, you should be able to achieve 20 frames per second or more.

VIEW OPTIONS

On the far right, the last set of controls give the user the option to view a sequence backwards, forwards, or in ping-pong fashion, view a particular frame or play the whole sequence. You will also find the Del and Move buttons here.

These are most important because by using them it is possible to select a range of frames and either delete them or move them to another part of the sequence, one of Vidi's most powerful editing features. Mastery of these controls and the technique of cutting and pasting frames is essential if you are to get the most from the software.

Everything else in the Vidi Amiga 12 (RT) program should be either easy to experiment with or to pick up as most of the features are self-explanatory. With a bit of practice, home video enthusiasts who take advantage of our special offer should be editing their own digital movies within days.



If you don't like the default grabs, just change the grabbing preferences

neck. This should go under the other part of the scarf, so make sure you use the backward/forward controls from the Arrange menu to achieve the desired effect before grouping the two together.

We now have a basic snowman to which we could add a hat, a couple of arms, and a broom, and we've used most of the basic drawing and editing tools to do so. At the moment, though, we would be advised to save the work done so far, and there are two ways of doing this.

One is to save the project as a Design Works document, a process which saves everything on the page, but we could also export the drawing as a clip for use in other programs. To do this, multiple select all elements of the drawing, group the whole lot together, and use the Export Pict option from the Project menu.

Now to add some text. Go to the Text menu and select the Font option, but don't let go of the mouse button yet. There should be a sub-menu with three fonts on offer and an option marked Other. Choose the Other option and a list of the available fonts should appear. If you are booting from the Design Works floppy, you should be able to choose from four fonts with their various sizes, but if working from hard drive you should be able to select from any of your bitmap, CompuGraphic, or PostScript fonts.

Choose one you like and make sure the size is at least 24 points, then type an appropriate message below the snowman. If this were a New Year card, "Happy hogmany" would do just fine. Click on the arrow icon to finish entering text.

The text should appear as you type it just as if this were a word processor, and when you've finished it will be present as a text box. Now look at the text menu, which offers options to make the text bold, italics, or underlined, and from where we can control justification and spacing.

There are enough word processor-like features to give our text the look we want, and none of the features in this menu should need much introduction.

Note that justification is carried out in relation to the text box rather than the text, and that if we choose centred text, it will be centred in the text box itself.

We can change the text colour using the pen colour window and the background colour using the fill window, so there are plenty of options to ensure the final result is just as we'd like.

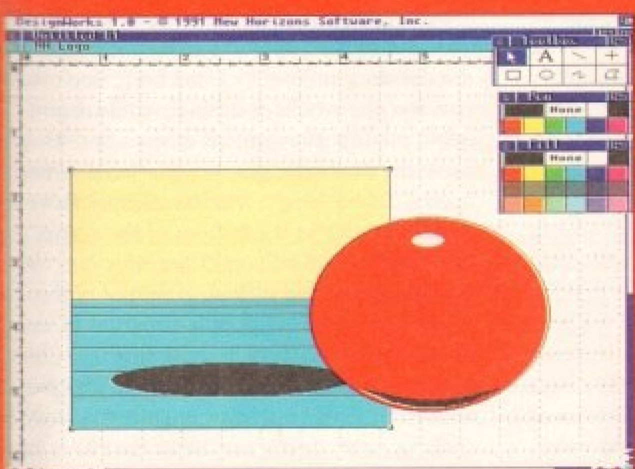
Finally, let's look at printing the drawing. As already mentioned, Design Works uses eight colours with dithering to that drawings appear on paper as they do on screen, but if you have a black-and-white printer the program will use shades of grey instead.

DRIVERS

The Design Works floppy includes printer drivers for Epson, Canon BJ10, Star LC10, and PostScript printers, which covers most of the available models. If you are using the program from a hard drive with printer preferences already set up, Design Works will use them, and there's enough space on the floppy for other drivers, so DeskJet owners for example should be able to use the HP500 drivers we've given away in the past.

Select the Print option from the Project Menu and the defaults should be correct. That is, eight colours, single sheets, 360 x 360 dpi, but you can change these if you like to suit your printer. The toggle option from normal to high quality makes for better output, but it will take longer to print.

And that's all we have time for, folks. Design Works is one of those packages with which it is easy to experiment and explore, so you should be able to get plenty out of the program with this introduction. Happy drawing.



You can edit existing drawings by ungrouping them

Faulty CoverDisk?

If you subscribe to *Amiga Computing* and your disk does not work, please return it to:

Amiga CoverDisk
Europress Direct
FREEPOST
Ellesmere Port
L65 3ED

If you bought your copy from a newsagent and find that your CoverDisk is faulty, please return it to:

PC Wise
Dowlais Top Business Park
Dowlais
Merthyr
Mid Glam CF48 2YY

PrintManager 2.0

Author: Nicola Salmoria

This is the latest version of the best shareware print spooler around and is one of the most useful utilities a printer owner will ever have. The program's job is to intercept all print commands from Workbench or any program launched from Workbench and spool them to a pre-set area in memory or on disk to await printing.

An obvious advantage of this approach is that it almost immediately frees the program which issued the print command to do something else. No more waiting around for ages while that 15-page listing churns out of the dot matrix.

To install the program on hard drive, just drag the PrintManager icon to your Tools/Commodities drawer then type the following command:

```
COPY DF0:DEVS/SPOOLER.DEVICE TO DEVS
```

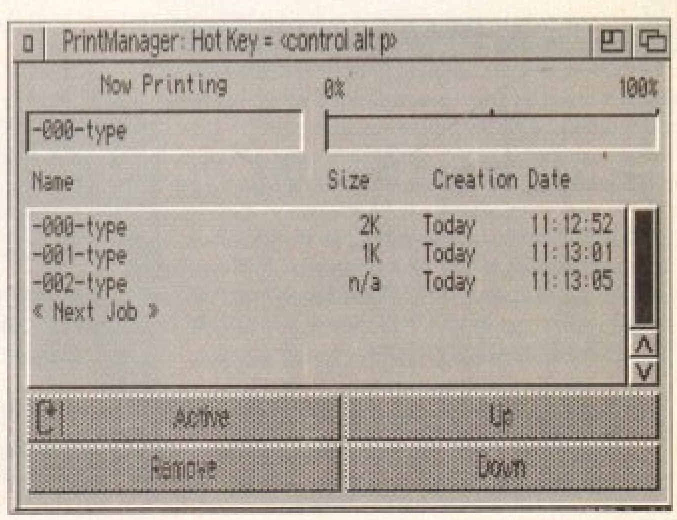
So long as your Workbench disk or hard drive has the commodities library, the program will run perfectly.

All functions of the program are controlled from the icon's tool types, including the drawer where print jobs will be stored before printing, and the interface is very intuitive so most printer users should have no problems.

To test PrintManager, select its icon and look for the tool type SPOOLDRAWER=T:SPOOL and change it so that it reads SPOOLDRAWER=RAM:. We should now be able to load the program's document file and by holding down Alt-Shift-O print it to the spool drawer.

If everything works it should take only a split second for the printing to be accomplished and you should be able to continue reading the document while your printer takes its orders from PrintManager.

Full details of the other tool types can be found in the on-disk documentation, but this is the essence of how PrintManager works. It is easy to use and makes printer use a lot less hassle.



Total control over all print jobs with the latest in print spooler technology



Assign Manager

Author: Matt Francis

Assigns can be a real pain for hard drive users. You soon have so many of them that the list is as long as your arm, and many of them can be redundant in most situations. To remove an assign can also be a pain, and keeping track of them is sometimes impossible, so Assign Manager does it for you.

The program is designed to be used as a Prefs editor, so to install it to hard drive just drag the icon to your Prefs drawer and add the following line to the beginning of your user-startup file or startup-sequence:

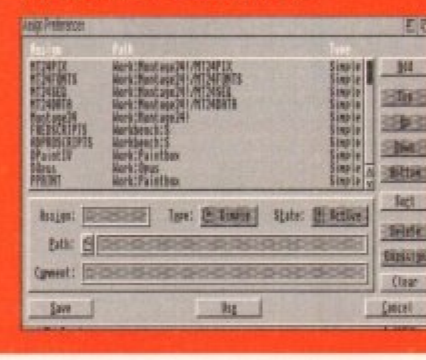
```
ASSIGNS USE
```

As Prefs is usually part of the command path, the Assigns program should be found and initiated.

Keeping an eye on your assigns is now a simple matter of running the program and scrolling up and down the assigns. They will be listed as one of four types: simple, defer, add, or path.

Simple assigns are the most common and are used by most commercial programs which install on hard drive. Defer assigns are those which look for a directory and don't panic if they can't find it. Add assigns add a directory to, say, the LIBS: logical device, and Path assigns just add the assigned directory to a the AmigaDOS path.

Full instructions for this program can be found in the on-disk documentation.



Round up those pesky assigns and make them work for you

EditKeys

Author: David Kinder

Keymaps are small pieces of code residing in the DEVS:Keymaps drawer which can be loaded using the AmigaDOS SetMap command to alter the way the keyboard reacts to keypresses. If we could edit our keymap we could, for example, tell the Amiga that when F1 is pressed it really means "Run SYS:DPaint".

The flexibility of a program like this is immense as it can be used either to produce hotkeys such as the F1 example above, customise a keyboard for a disabled user to make typing easier, or change a USA keymap into a GB keymap.

Run the program by double clicking on its icon, at which time a file requester should appear with the available keymaps for you to choose from. If this doesn't happen just use the Load command from the program's menu to load one.

There wasn't enough space on the disk for a selection of keymaps and we figured you'd rather edit your own, so you'll have to drag the program icon to your Workbench floppy or hard drive and run it from there. If this is done you should be able to edit keymaps from your own Keymaps drawer. See the on-disk documentation for full instructions.

ABCDir

Author: Marc Dione

ABCDir is a directory utility similar to TDM and SID 2, both of which have made appearances on past CoverDisks, and is an attempt to bring together everything the author liked about other directory utilities in one program. To this end, the program is completely self-contained and even has its own Shell window built in.

When first loaded, the program will open an interlaced screen using a fairly small font which, though readable on high res monitors, will cause a bit of eyestrain on a TV or 1084, so our first job is to alter the configuration.

Look at the gadget strips between the two main windows and you'll see that there's a Config button three spaces up from the bottom of the left hand strip. Click on this button to reveal the config options.

The list is a long one, so just scroll down it using the slider until you see an Interlace option, which should be the last one. Click twice on this to make it read non-interlaced, then on OK. Got it? We should now be able to see better, but notice that the Shell window is no longer visible. As this sits on the lower part of the screen it is not accessible if you use a non-interlaced screen.

Sorry, but at least all the gadgets are available, and they're the important elements. I mean, we use directory utilities to avoid Shell, don't we? If you feel the need for a Shell window and the extra window showing all devices and assigns, select the double height non-interlaced setting to open a double height window. Simply move the mouse pointer to the bottom of the screen and the lower portion will scroll smoothly into view.

With that minor sticking point out of the way ABCDir should be a simple program to use. It works in the same way as most directory utilities in that you first select a device from the gadgets above the main windows, then a directory by clicking on it, then a file. Once the file is highlighted you just click on the tool of your choice from the central strips.

Full instructions for this shareware release can be found in the on-disk documentation.

Think you can do better?

Want to be famous? We are always on the look-out for quality Amiga programs for the CoverDisk. If you think you have written something good enough for others to share and enjoy, please send it in and we'll have a look.

The *Amiga Computing* CoverDisk is used by thousands of Amiga owners every month in places all over the world from New Zealand to the USA, so if your submission finds its way onto the disk, you could be famous.

Please make sure that you list ALL library and other files necessary for the program to work. Feel free to design your own icons for programs that run from Workbench, but please don't make them too big.

If you ensure your program is as compatible as possible with a wide variety of Amigas, it will also stand a better chance of publication. We are especially interested in small programs whether they be games, utilities or whatever.

We are prepared to pay our current rates for original work which has not been distributed in any other way and which has not been put in the public domain.

If you wish your program to be released as shareware or freeware we will be happy to publish it, but would, of course, be happier if we had been given it first!

Your submission MUST be accompanied by the submissions form, a copy of it, or a signed declaration to the same effect. Please supply your full name, address and phone number.

Unfortunately we cannot undertake to return disks sent to us as the volume of submissions makes this an impractical exercise.

Post your submissions WITH A COPY OF THIS FORM to:
Colin Yarnall, Amiga Computing, CoverDisk Submissions,
Europa House, Adlington Park, Macclesfield SK10 4NP.

Name .... Age ....

Address ....

....

Daytime phone .... Evening phone ....

Submission name .... Submission size ....

Type of program: ☐ Game ☐ Utility ☐ Other ....

You must sign this declaration:

The material on this disk is mine. I didn't steal it from someone else. It hasn't been published before and I haven't submitted it elsewhere because I want *Amiga Computing* to publish it. I understand that by submitting my work to *Amiga Computing*, and signing the declaration, I am giving full copyright control to Europress Enterprise Ltd.

I understand that if my submission is bought by *Amiga Computing* I will be paid the current applicable rate. I know what copyright means and I will be responsible for any possible litigation arising by breach of it by Europress Publications Ltd as a result of using my submission.

Signed .... Date ....



The *Amiga Computing* CoverDisk is designed to be as simple to use as possible. Follow these instructions and you'll be up and running in no time!

New readers may have difficulties using our CoverDisk, so we have included this page to help you out.

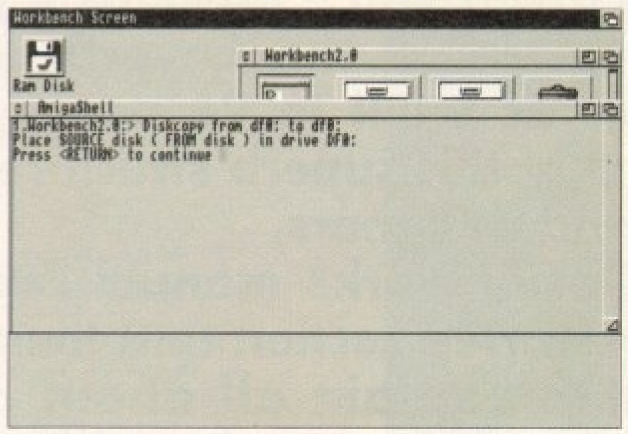
Below we explain how to copy files from one disk to another, how to copy the entire CoverDisk and how to de-archive programs. None of the first things you must do when get your CoverDisk is make a backup copy, then put the original CoverDisk away for safe keeping. As a rule you should also do this with the majority of your software collection.

How to make a backup

To copy the entire CoverDisk, load up your Workbench disk, then either click once on the CoverDisk icon and select Duplicate, or select Copy from the Workbench menu, or open CLI/Shell and type:

```
DISKCOPY FROM DF0: TO DF0:
```

When prompted, put your CoverDisk (the source disk) in df0: and be ready to replace it with your blank disk (the destination disk). Follow the Amiga's on-screen prompts until the disk copy is completed. Now put the original away in a safe place and use your backup.



Copying individual files

You might at some point want to copy a single program from a CoverDisk to your compilation, Workbench disk or even your hard drive.

To do this you'll need the COPY command. As most CoverDisk programs are stashed away in their own directories, the quickest way to copy a program is to copy the whole directory at once. Use the command:

```
COPY {directory} TO {newdisk} ALL
```

where {directory} is the full pathname of the directory you wish to copy, and {newdisk} is the name of the disk and directory into which it will be copied.

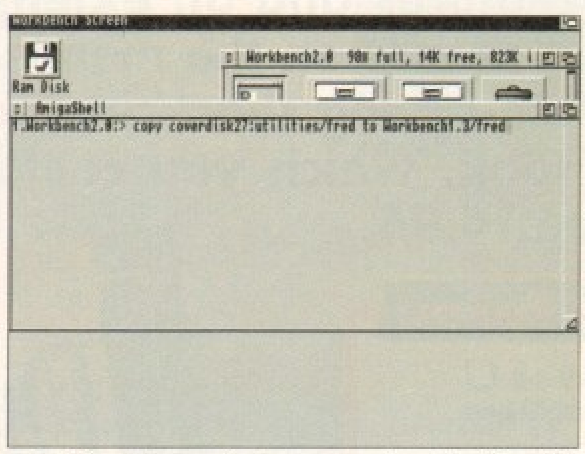
For example, if you wanted to copy a utility called FRED from CoverDisk 27's Utilities drawer to a directory called FRED on your Workbench disk, you'd type:

```
COPY COVERDISK27:UTILITIES/FRED TO WORKBENCH1.3/FRED ALL
```

Alternatively, you can click once on the FRED directory icon and drag it across to the new disk's window. This has the advantage of creating a new directory for you and copying the icon as well.

Once you have moved a particular program to where you require it you could experience some problems running the program. This is sometimes caused by the program not being able to find files which it needs to run.

A good example is the text files on the CoverDisk. These have been crunched using PowerPacker, so when you try to copy them to another disk and then try to read them you can't unless you have also copied the Powerpacker library into your LIBS drawer.



So if you have copied a program from the CoverDisk to your Work disk or hard drive make sure you also copy any other files the program requires, ie fonts, libraries, device drivers and Ccommands.

De-archiving

Occasionally we have so many programs to fit onto the CoverDisk that we have to archive them. Archiving is where we take the entire contents of a disk and compress them into one file which is much smaller, giving us space to fit more programs onto the disk.

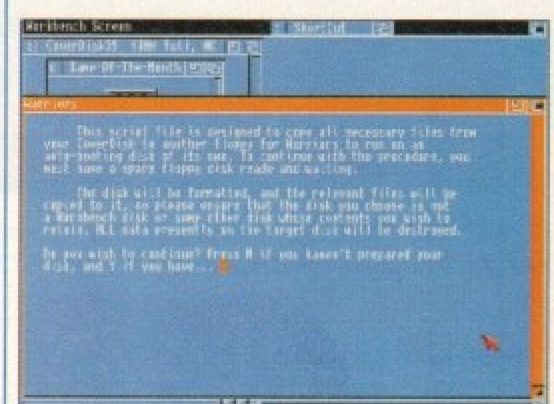
Dearchiving programs which are on the CoverDisk is a very simple task. If a program has been archived then you will need a blank disk to dearchive it onto.

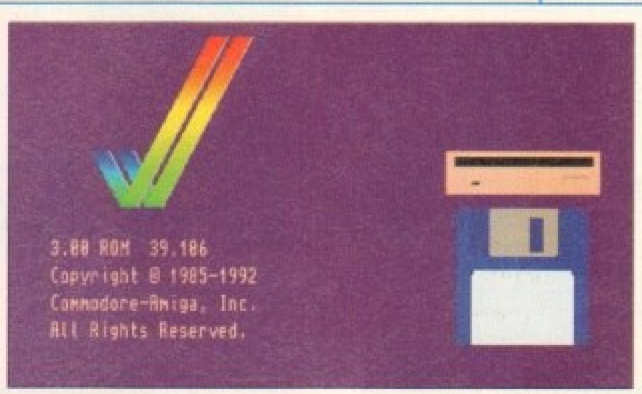
Say we have archived a program called FRED. You simply double click on FRED's icon, and will be asked if you have a blank disk ready to dearchive to. Type "y" or "n" accordingly.

Your computer will then copy the archived file into its memory and ask you to insert your blank disk. It will proceed to format the disk, and will then de-crunch the archived file onto your blank disk.

Once this has been done you can simply reboot your machine with the disk which contains the dearchived program on it and then use the program as instructed in the CoverDisk pages.

Note that if you have a Workbench 2 or upward machine you must boot with the CoverDisk write-enabled to perform the dearchiving process.





Workbench 3

If you have a Workbench 3 machine, don't worry – most if not all of the programs on the CoverDisk will work on your machines.

If the program is specifically designed to work with Workbench 3 then you may have to copy the program to your hard drive or Workbench disk using the process described earlier on this page.

Have designs on this...

Not only have we given you – absolutely free – the complete DesignWorks software on the CoverDisk, but we've got a great manual offer as well! In 96 pages it comprehensively covers every aspect of this superb structured drawing program for artists and designers.

The DesignWorks manual, only £14.95

The DesignWorks manual begins with a friendly getting started section and then moves on from the basics to explain all about creating, selecting, modifying and arranging objects.

This is followed by an explanation of the advanced features and an extensive reference section which covers all the details on the menus. To finish off there is a neat section on time-saving short cuts.

This very useful book, which you could put to good use, is great value at only £14.95.

DesignWorks Order form

Please send me:

☐ the DesignWorks Manual at £14.95

Please deliver my goods to:

Name (Mr/Mrs/Miss) ______________________

Address ______________________

____

Postcode ______________ Daytime phone ______________

I wish to pay by:

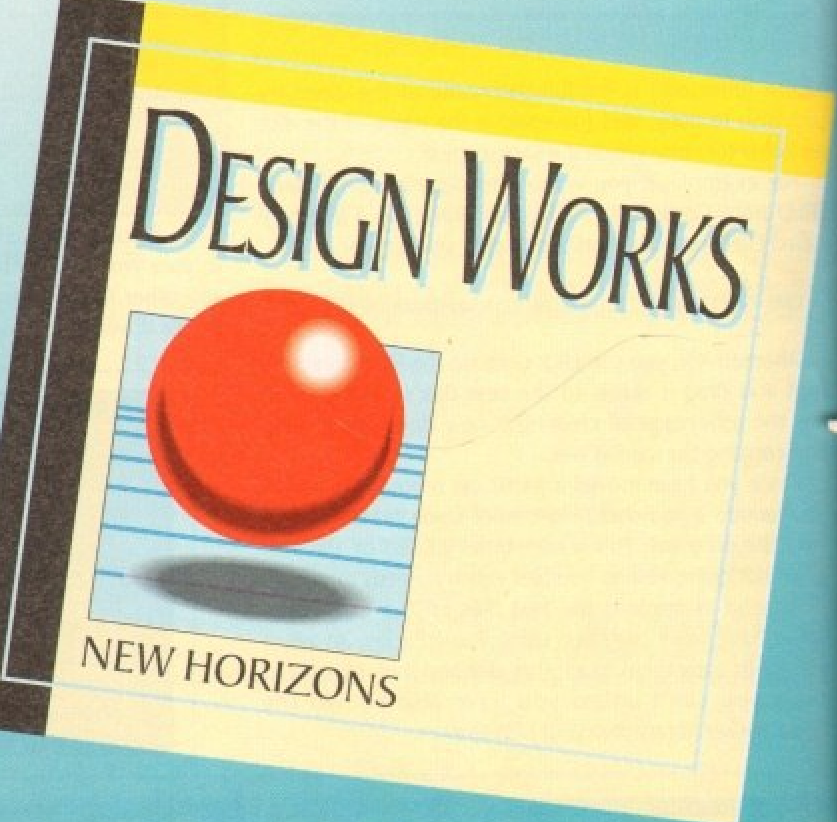
☐ Cheque/postal order payable to Europress Enterprise Ltd.

☐ Credit card

Card No. ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Expiry Date ☐ / ☐ *Allow 28 days for delivery*

☐ *Tick this box if you do not wish to receive promotional material from other companies*



Vidi Amiga (12) RT

CoverDisk offers

Only £139 (including UK carriage)

Here's a great opportunity to buy the manual and digitiser to make sure you use this month's CoverDisk to its full potential



The full Vidi Amiga (12) RT package

This real time 12-bit colour digitiser enables you to load and capture images from live video and digitise them. You will be able to capture images at up to full overscan video resolution in all AGA colour modes. There are swipe and play animation features and a whole load of powerful image processes you can carry out, including blur, convolve, emboss, negative, quantise, and saturation.

The easy-to-read 64 page manual covers everything you need to you know. It takes you through setting up equipment and provides tutorials covering the most important points of the Vidi Amiga (12) RT package, such as grabbing, mixing your colour image and editing. The comprehensive reference section describes every function of the software in detail. There is also a glossary and a trouble-shooting section.

To order please send this form to Vidi Amiga Offer, Europress Enterprise Ltd, Europa House, Adlington Park, Macclesfield SK10 4NP, or telephone 0625 878888 or fax 0625 850652.

Overseas readers will be charged carriage at cost. Please call Rombo on 44-506 414631 to find out the cost of carriage to your country.

Vidi Amiga order form

Please send me:

☐ the Vidi Amiga (12) RT full package including user guide and Digitiser at £139 inc VAT (and UK carriage).

Please deliver my goods to:

Name (Mr/Mrs/Miss/Ms) ____________________

Address ____________________

____

Postcode ____________ Daytime phone ____________

I wish to pay by:

☐ Cheque/postal oredr payable to Rombo Productions Ltd
☐ Credit card

Card No. ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Expiry Date ___ / ___ *Allow 28 days for delivery*

☐ *Tick this box if you do not wish to receive promotional material from other companies*

Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal

THE CENTRE OF TEC

WTS ELECTRONICS LTD, CHAUL END LANE, LUTO



Amiga 1200 Packs

- 32-bit 68020 Full power
- On site warranty
- Two Python joysticks
- Free Paint package software
- Mouse mat

A1200 Standalone	£274
A1200 with 20MB	£354
A1200 with 40MB	£399
A1200 with 60MB	£424
A1200 with 80MB	£439
A1200 with 120MB	£509
A1200 with 200MB	£549



Amiga 4000 Packs

- AGA Chip set
- 68030/40 processor
- Co-pro option
- 2MB/4MB RAM

A4000 030 with 80MB HD & 2MB	£899
A4000 030 with 80MB HD & 4MB	£999
A4000 030 with 120MB HD & 4MB	£1069
A4000 040 with 120MB HD & 6MB	£1999

A1200 Dynamite Pack

Simply add to pack price	£45
CD32	£284

A1200/A600 Hard Drives



- Easy to install upgrade kits
- Full instructions and cables where necessary
- All drives supplied with formatting instructions and software
- Free fitting available

20MB HD Upgrade Kit	£85
40MB HD Upgrade Kit	£135
60MB HD Upgrade Kit	£154
80MB HD Upgrade Kit	£169
120MB HD Upgrade Kit	£199
200MB HD Upgrade Kit	£329

A1200/A600 Memory Upgrades

A1200 PC 1204 4MB + clock (Co pro option)	£198
ProRam 2MB PCM-CIA A600/A1200	£118
ProRam 4MB PCM-CIA A600/A1200	£172
ProRam 1MB A600	£34
A1200 Real Time Clock	£17

Amiga 500 Hard Drives



High Quality GVP Hard Drives

	A500	A1500
120MB	£429	£382
500MB	£989	£942
1GB	£1189	£1142

Internal Hard Drives for A500

- Easy to install - Full instructions
- ICD technology

Pro internal 20MB hard drive	£155
Pro internal 40MB hard drive	£245
Pro internal 80MB hard drive	£295
Pro internal 120MB hard drive	£325
Pro internal 200MB hard drive	£405

Monitors



Philips 8833 MKII Monitor	£189
Commodore 1084s	£174

- When purchasing with an Amiga deduct **£10** from above pricing
- Dust cover for the above **£5**

SVGA /Multisync Monitors



- 14"/20" Super high resolution colour display
- Professional IBM compatibility
- Complete with cable
- Full UK warranty
- Tilt & swivel stand

- A1200 SVGA Monitor (Displays high productivity modes) **£228**
- A1200 SVGA+ Monitor (Medium resolution, displays all modes high and low) **£269**
- A1200 SVGA+ Monitor (High resolution, displays all modes) **£364**
- A1200 SVGA plus 20" Monitor (Displays all modes ideal for DTP,CAD etc.) **£1044**

Workstations



- Ergonomically sound
- Facilitates up to three external floppy drives
- Made in the UK
- Strong and robust
- Aesthetically pleasing
- Keep your desk neat and tidy
- Supplied complete and assembled with free mouse mat

A500 Workstation	£36
A600 Workstation	£36
A1200 Workstation	£36
Workstation Coverall dust covers	£5

Peripherals



100 Capacity lockable disk box	£5.99
Squick mouse	£13.99
Mouse mat	£1.99
TDK high quality DSD (10) disks	£9.99
Computer Mall DSD (10) disks	£6
Jet Fighter joystick	£13.99
Apache joystick	£6.99
Python joystick	£9.99
Zipstick joystick	£14.99
Screen Beat speakers	£29
Zi-Fi speakers	£36
A500/A600/A1200 Dust covers	£4.99
A500 Modulator	£36
Rendale 8802 FMC Genlock	£169
Supra 2400 Modem	£89
Supra Fax Plus Modem	£148
Supra v.32 BIS Fax Modem	£358

Scanners



- Allows image processing in a useful and unique fashion
- Comes complete with operation manual
- One of the fastest growing applications for home and professional users
- High specification coupled with cost effective pricing

Power Handling Scanner

- 64 greyscales 100-400 DPI
- Thru'port to printer
- Fully compatable with Delux Paint 4, etc.
- Advanced software

Power Hand Scanner v3.0	£96
Power Hand Scanner Colour	£229

Pro ROM Swapper



- Swap between Kickstart chips
- Fits A500, A500+, A600,A1500
- Auto swapping via keyboard control
- Flexible cable allows the swapper to work in conjunction with accellerators etc.
- Simple to fit - full instructions

Pro ROM Swapper	£18
Pro ROM Swapper + 1.3ROM	£37
Pro ROM Swapper + 2.04ROM	£40
Workbench 2.04 plus manuals	£49

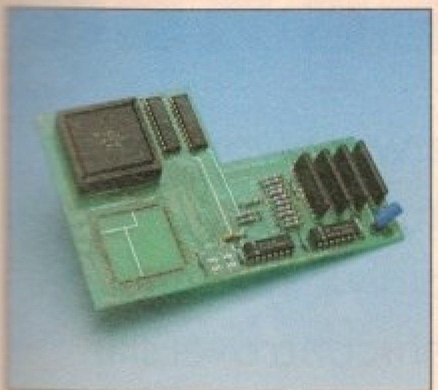
Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal

ECHNICAL EXCELLENCE

Est. since 1984

UTON, BEDS, LU4 8EZ TEL (0582) 491949 (6 LINES)

Pro Agnus 2MB



• Provides a full 2MB of Chip Memory for the Amiga 500 and A1500/2000 • Designed and built in England • Supplied with 8375 Obese Agnus • Includes 2Mb Memory on board in the form of low power Zips • Allows the processing of elaborate animation and sound sampling • Provides the same max. chipmemory as the A3000/A600 &500+ • Increases addressable memory space from 9MB to 10MB • Complete with full instructions and flying leads • British made

• Pro Agnus 2MB **£139**

(Free fitting available - Phone for details)

A500 Memory Expansions



A500 Pro-RAM 0.5 Meg. Upgrade

- Allows 1MB software to run
- Chip memory compatible
- British made

• Without clock	**£16**
• With clock	**£19**
A601 for A600	**£36**
A500 Pro-RAM 1.5 Meg Upgrade	
• Gives a full 2MB of memory	**£74**
A500+ 1MB Meg Upgrade	**£29.95**

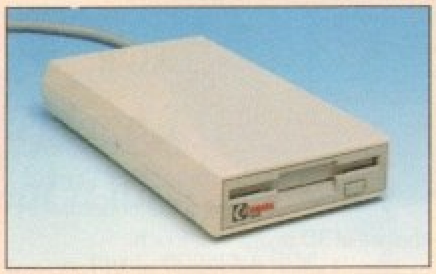
High Current Power Supply



- Allows the addition of peripherals without damage to computer or power supply
- Why risk damaging your expensive kit when one simple investment will ensure total peace of mind now and for the future
- Switch mode design
- Full crow bar projection
- British made

• A600 Power supply unit	**£44.95**
• A500 Power supply unit	**£44.95**
• A590 Power supply unit	**£44.95**
• A1200 Power supply unit	**£54.95**
• A2000 Power supply unit	**£99.95**

Cumana 3.5" External Drive



- High Quality
- Renowned and proven reliability
- Top notch specification
- Anti-click
- Long moulded cable
- Slimline design
- High impact plastic

• Cumana external drive	**£57**
• Cumana external drive + 100 capacity disk box	**£60**
• Cumana external drive + 100 disk box + 20 blank disks	**£66**
• A500/A500+ Internal replacement disk drive	**£46**

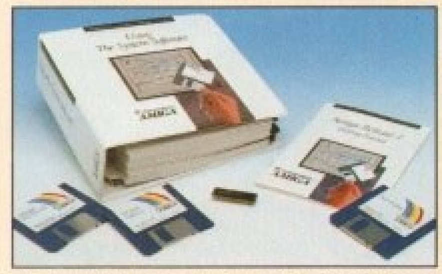
Printers



- High quality premium range of Amiga printers
- Two year manufacturers warranty
- Complete with cable to Amiga 500
- Citizen registered for Dealer plus service

• Swift 1200+ (9 pin. 80 column,144 cps draft, 30 NLQ 4KDB Buffer)	**£129**
• Swift 90 Colour (9 pin. 80 column, 216 cps draft, 54 LQ 45db quiet mode	**£168**
• Swift 200 (24pin.80 column, 216 cps draft, 72 LQ 43dB quiet mode	**£186**
• Swift 240 Colour (24pin.80 column, 240 cps draft, 80 LQ 43dB quiet mode	**£259**
• Swift Pro Jet (80 column, 50 nozzle print, 360 cps draft, 120 LQ, HP emulation 8KB buffer, 3 fonts, vertual lazer quality	**£299**

Chips and Spares



- WTS have sole distribution rights from Americas biggest Commodore chip distributor

• Workbench 2.04 Kit (includes manuals, disks & chip)	**£78**
• Kickstart 20.4	**£24**
• Kickstart 1.3	**£26**
• Kickstart ROM Swapper (swap between Kickstart)	**£18**
• Fatter Agnus 8372	**£49**
• Obese Agnus 8375	**£54**
• High Res Denise	**£29**
• 1MB x 9 Simms (3 chip)	**£29**
• 1MB x 4 Zips	**£14**
• 8520 CIA	**£13**

SALES HOTLINE 0582 491949 (6 LINES), 0480 471117 (24HR), FAX ON 0582 505900

Credit Card ordering by phone is easy. Simply phone our sales hotline quoting your credit card number., expiry date, name and address and the products you wish to order and we'll do the rest. Alternatively write the above details on your letter when ordering by post.

When ordering by post in cheque form please write your cheque card guarantee number on the reverse of the cheque and send along with your order. Postal Orders are also accepted.

NO DELIVERY CHARGES TO UK MAINLAND. MINIMUM ORDER AMOUNT £15.00.
Should you wish your order to be sent by courier service please add £5. This method includes Comprehensive insurance.

WARRANTY: One year return to base (excluding chips).
ONE YEAR EXTENDED WARRANTY: Available on all products (excluding chips) at 10% of purchase price when ordering.

WHERE TO FIND US!

Head Office	Computer Mall Bedford	Computer Mall St. Neots	Computer Mall Hertford	Computer Mall Dunstable
WTS Electronic Ltd Chaul End Lane Luton 0582 491949	No.16 Downstairs The Harpur Centre Bedford 0234 218228	No.6 Priory Mall Shopping Centre St. Neots 0480 471117	49 Railway St. Hertford 0992 503606	84 High Street North Dunstable Bedfordshire 0582 475747

All prices quoted or products stocked are subject to stocking levels and availability. WTS cannot be held liable or supply reimbursement for force majeure, or items, which are out of stock due to demand or low stock at its suppliers which may result in delayed delivery or non delivery, payment with order, please allow 28 days for delivery. WTS reserve the right to ammend prices, revise packs, specifications and or substitute product wihtout prior notice at any time without liability upon itself. E & OE

Better

Why watch a movie when you can be in one? Adam Phillips reports on the rapidly expanding and often controversial world of virtual reality

Once in a while, there comes an invention that influences the way in which society lives. The car, television, the atom bomb, the computer... Now virtual reality is beginning to show its first signs of growing up from the wildly speculative pipe dreams of its early years into a fully-fledged, commercially viable and above all, exciting industry.

VR has the potential to be the next "big thing" to grab the collective imagination of the world. While television and film only offer a screen to look at, with audience participation rarely surpassing the heady heights of Noel Edmonds's *House Party*, and the most involving computer games resembling a two-player go on Galactic Body Blows, virtual reality generates a multi-user, fully interactive environment where, in theory at least, the only barrier is the imagination.

At present, not only does VR challenge the way games are played when compared to the likes of the Amiga and Super Nintendo, it has an endless stream of possibilities that can be used in all walks of life from 3D walk-through architectural plans to a surgeon training for open heart surgery.



One button for moving , the other for firing; a very basic but relatively effective control device

Contrary to popular belief, virtual reality has been around for over 20 years and has only come into the limelight with the increasing technological advancements and due to people like Ivan E Sutherland, Jaron Lanier and John Waldren.

HEAD-MOUNTED

As a concept, VR was created by Sutherland at the University of Utah in 1968 where he produced the first head-mounted display (HMD) showing a topographic map of the US. Due to the unit's weight, the kit had to be hung from the ceiling, and it had a power cable running down the user's back with 50,000 volts coursing through it.

In another American state during the '60s, Myron Krueger was creating the first VR games at the University of Wisconsin with the likes of Critter which displayed a video silhouette of the user's head and shoulders. A bug would crawl up to the head to be subsequently removed by the player's hand.

In the '80s, Frederick Brooks created GROPE, where the user could manipulate molecules by the use of 3D image and touch.

Jaron Lanier, the owner of VPL (Visual Programming Language) was the man to come up with a label for all this experimentation – virtual reality. His own achievements are as the inventor of the DataGlove, the inspiration for which he puts down to a desire to create the ultimate air guitar, and the Eyephones, head-mounted display unit for the home user.

Still confused as to what VR actually is? Think of it as an artificial, computer-generated world, created by sophisticated software and entered by the operator through the use of advanced, specialised peripherals, such as helmets and gloves, in either standing or sitting position, depending on the software.

It creates an environment which is 3D, affecting the three principal areas of sight, sound and touch. The peripherals monitor the operator's movements and duplicate

Dresden virtually rebuilt

On February 15, 1945, the Frauenkirche, the Church of Our Lady in Dresden – part of the then East Germany – was destroyed by a firestorm. This was brought about by the heavy British bombing two days before which caused a fire to ravage the one of the greatest masterpieces of European architecture until its walls finally caved in leaving a heap of rubble.

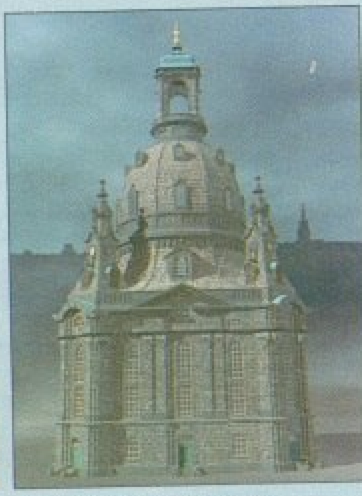
Enter '90s technology to reconstruct the church from scratch using the original materials, sandstone from the Elbe valley and historic building techniques.

To help with the rebuilding, surviving detailed architectural drawings and photographs were used to create a model which was then turned into a 3D photo-realistic computer animation of a flight round the Dresden Frauenkirche.

The sequence of the church will prove invaluable for the reconstruction, giving the designers and builders the closest view possible without actually building it – a virtual reality.



Before its demise during the Second World War, the Frauenkirche was regarded as masterpiece of European architecture...



The virtual rebuilding had to contain the atmosphere and emotions to give the rendering authenticity

er than the real thing

an
orts
ng
ial
ity



> ***Virtual reality won't merely replace TV, it will eat it alive...***
>
> Arthur C Clarke

them in the virtual world in real time, thus giving rise to an immersive experience, in which the operator is able to manipulate his surroundings via the computer.

At present, there are several peripherals that can be used in VR. These are split into two categories – the sensors and the effectors. Sensors send your signals to the computer and affect your actions in cyberspace (a computer-generated virtual world) while effectors send back data to the user.

An HMD, where the player sees the action, is an effector, while joysticks are sensors. The hand movement devices found so far in the British arcades are the basic joysticks which have one button to fire and the other to move in the direction you are looking.

Data gloves, available in America for some time, let your fingers dictate your movements. The next stage is a glove that will enable the user to "feel" their environment through the use of pressure pads in the peripheral.

Beyond this, the biggest and potentially most important immersive effector/sensor is the full body data suit. Virtual Presence's version features 96 sensors to track joint and body movement. With the titanium wiring, the suit is very light and if bought with their latest HMD – a much lighter product than the Virtuality display – it will set you back £5,000. A snip.

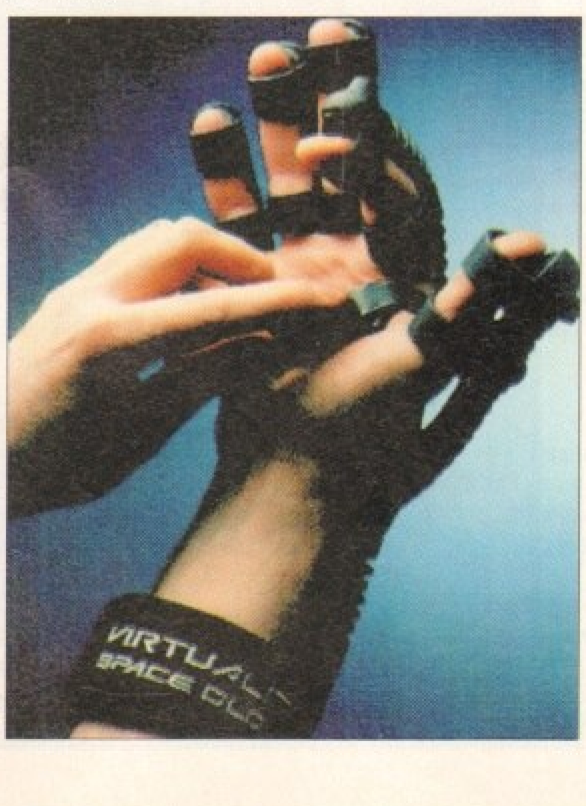
The VR technology us everyday punters have access to is in the arcades and appears a little unimpressive and arcane at the moment when compared to cabinet-based machines, with rather slow update rates and basic graphics. But the makers of these machines, Virtuality Group plc, see these as only the first step in a long but definite route to achieving the ultimate in sensory experience.

The company, founded by Dr Jon Waldren in 1987 under its old name of W Industries, is the world's leading manufacturer of virtual reality equipment and software and has sold more than 350 systems in 20 countries at the healthy price of £25,000 each.

Waldren built his first VR system during his PhD at Loughborough in 1984. From there he established his now booming company and the following year won the British Technology Group Award in 1988.

The company has continued to grow at a healthy rate, knocking aside that old British technological neurosis – great idea, no business sense whatsoever – and has

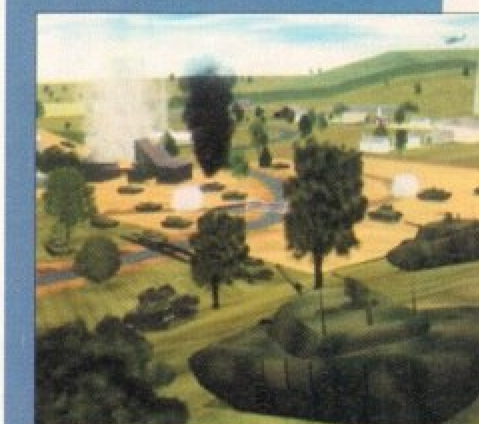
➤



Touch Glove allows users to feel virtual reality objects

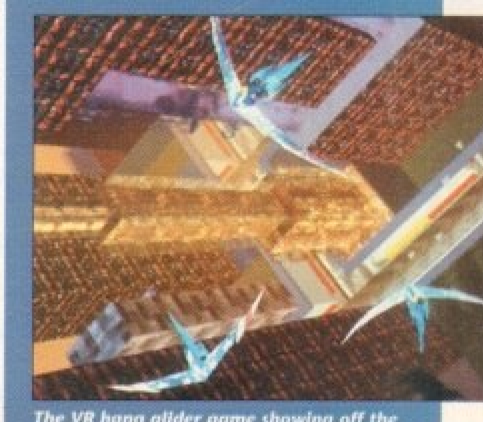


Save the Loch Ness Monster in the Virtual Adventures theme park ride coming to you in 1994





E&S military simulators – one day all games will look this good...



The VR hang glider game showing off the realised potential of virtual reality

The negative side



The HMD has recently come under attack in the press and under research by John Wann and his colleagues at the University of Edinburgh, among others. Worries have been aired that the HMDs may well cause binocular stress on users' eyes and cause nausea and headaches, among other symptoms.

After setting up a test involving 20 young adults seated on a "tethered" cycle and asked to ride round a virtual landscape with signs, buildings and bridges, over half the subjects reported blurred vision and one individual's eyes took 40 minutes to return to their normal state.

The equipment they tested was the VPL LX Eyephone with Fresnel lens which was regarded by many VR companies as a poor comparison to their own hardware. Wann also claims that the similar problems have arisen with the LEEP lens systems, and that further research is required. Virtuality had this to say about the subject: "With respect to physical side effects of VR, such as eye strain, any poorly designed equipment will introduce eye strain. It is the responsibility of good engineering and correct health and safety tests to ensure products do not reach the market in such a state."

Earlier this year the *Independent* launched an attack on Sega and its prototype designed for home use, the Sega Virtua VR HMD, for being one of the guilty parties in the eye strain wars that could possibly cause squints in young children if used for too long.

Whether this was true or not is no longer the issue because the equipment the tabloid-style article wrote about was still being researched and tested in the labs and was not available to the general public.

Any hopes though of the Sega's VR unit being released before Christmas are highly unlikely. It's possible that the machine will now be delayed until late Spring 1994.

The reason given is the continuation of extensive tests which are taking longer than previously thought, and to improve the games that were to be released with the system, possibly after the very mixed reaction they received.

With the Health and Safety Executive sinking £200,000 into further research on the possible side effects of VR use, it's obvious the matter is being dealt with seriously, and all parties are apparently giving full co-operation.



Still in research, Sega's VR HMD can be expected early in '94

➤

secured contracts with some of the world's biggest names such as MCA in America, Nabisco and Budweiser, among others.

The real ace in Virtuality's pack, though, is the recently attained contract with Sega, when Waldren and company sold the first significant operating system licence to the Japanese entertainment giant. Licensing technology is Virtuality's attempt to standardise a still young market. The deal is to produce a high performance virtual reality game which, in the words of the ever-modest John Waldren, will be "a landmark within the arcade entertainment field".

To top all of this, the company was recently floated on the stock market and fetched £10 million from the newly acquired shareholders with premiums at 73p on the first day.

You may be wondering what kind of machine it takes to run the future of entertainment as we know it. It's none other than an Amiga. Although stuffed to the brim with graphics cards and boards introducing processing technology many times in excess of the basic unit, it's still a Commodore at heart...

With Virtuality Group plc's financial holdings well and truly anchored, how does John Waldren see VR's future?

"We envisage the technology becoming significantly lighter and less cumbe some. In terms of the most importa aspect, that of the software developme at the moment entertainment applicati and other VR applications are very cru

"As we speak, these are becoming more sophisticated in their comple and in their usability. It is critical t environments are both compelling a highly enjoyable, but at the same ti immediate and uncluttered by technol

At the arcades

From the actual reality of driving around Nottingham hopelessly lost to the virtual reality of a *Gladiators* match gone horribly wrong, where this humble reporter was turned into a bloodthirsty, rampaging robot, is an example of the pure escapism VR offers.

Laserquest in Nottingham is one of a chain of nationwide sites boasting an extensive range of VR games. Started nearly two years ago, the leisure complex has gone from strength to strength and now has four fully operational VR pods with a mere accumulative cost of £100,000.

On entering the premises, you'd expect to see some huge towering piece of equipment to justify the price but in fact, after having a good look around, my eyes finally stumbled across a television, four Amigas with accessories and four hollow artificial tree stumps in which the players stand wearing the VR headgear and clutching their joysticks.

Before testing the alien-looking equipment, I asked VR and laser quest marshal Paul Shelton his opinions on virtual reality:

How are people reacting to VR?

"It's been a positive response from the Laserquest players; the general public really enjoy playing as well. It's ideal for corporate events where there's a real sense of who can outwit level 6 of Legend Quest or beat the alien in Grid Warriors."

What do you think of the possible side effects of VR such as eyestrain?

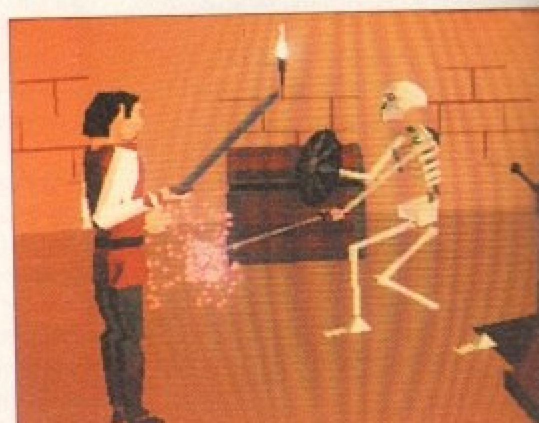
"I've been playing virtual reality for nearly a year now since it's been down here, sometimes playing games like Gridbusters two or three times a day and have had no problem. Another guy has been using it for two years and is perfectly fine. We've never had any complaints..."

What do you expect to see over the next few months?

"Over the space of six months [since]... Combat Zone was released to the latest one, Gridbusters, [they've added] digitised photographs and a totally interactive soundtrack which adjusts to the player's situation, telling you where to go and what to look at.

"I can see that side developing first and the graphic capabilities afterwards. In the future, I can see virtual reality rivalling the arcades."

This may all sound very enticing, but what about the actual prices of playing in gamer heaven? For the addictive players among you, it'll cost £120 for an eight-hour session on Legend Quest down to a more reasona £4.50 for 15 minutes.



Dungeons, dragons and team work in this, the most interactive of all the virtual reality games so far...

For the same amount of money, the time allowa fluctuates on different games. It may sound a little on t dear side but with member and guest lists of well o 7,000 customers, virtual reality seems to have made solid impact on the arcade-playing public already.

So what are the actual games like and are they wo the money? While Dactyl Nightmare and Gridbusters a reasonable titles, Legend Quest is by far the be example, really showing what virtual reality is capable It takes the clichéd format of an adventure set in d geons where you, the player, may select to be eithe dwarf, an elf, or – if you're in a really daring mood – human. Choose a profession – fighter, thief or magicia

...aspects of primitive software interfaces."

While Virtuality's main field is in entertainment, they are also placing a firm investment in many other areas of development.

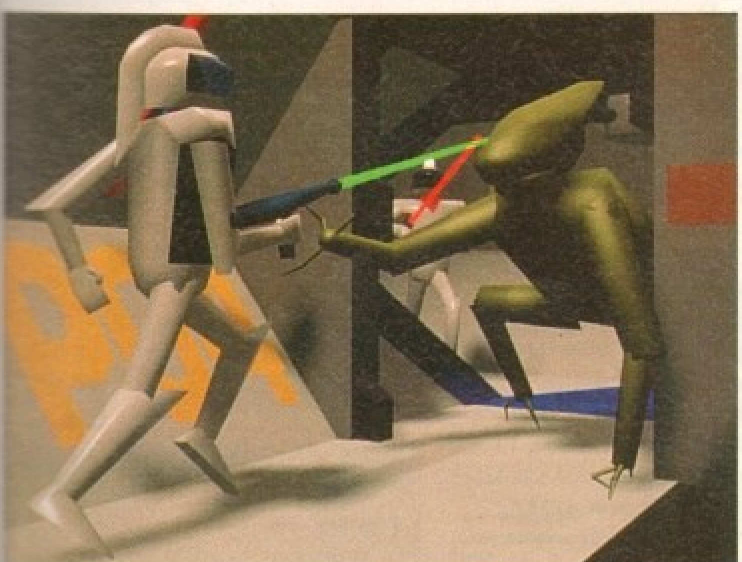
Included in these is "edutainment", a mixture of education and entertainment where VR is already being used in the design of experiences which depict the issues related to an environmental type of simulation.



Division have created where a military trainee stands in a virtual environment of realistic targets, activities and interaction

RECONSTRUCTED

In the future, imagine a classroom without the need for a blackboard and a high velocity chunk of chalk where the pupil walks in, sits down, puts on VR glasses and taught at first hand about the battle of Bosworth or watches the siege of Leningrad reconstructed in a virtual world. These systems are also planned to be used in universities and museums and again offer a potentially excellent learning experience? Finally, for those of us wishing to have a virtual world in our own front room, a home-based virtual reality kit is been discussed with several manufacturers, for joint development of the computer gamer's dream.



A Division-produced game designed specifically for the recent SIGGRAPH show in America

Another British company doing financially well both at home and abroad is Division. Founded in 1989, their specialisation is in applications such as computer-aided design, molecular modelling, telepresence and simulation.

Last October, Volvo demonstrated their Division-designed Virtual Reality Crash Simulator where the user is able to experience a 25mph side impact and walk away unharmed. Charles Grimsdale, MD of the company said: "A full scale 3D model of the car can provide invaluable insights into both ergonomics and aesthetics of design."

In the Netherlands, virtual reality has been used to show houses which have not yet been built. Prospective purchasers

➤

and the quest begins. Split up into several levels infested with monsters, puzzles and treasure, up to four players can move through the adventure, amassing fame and fortune and generally having a damn fine interactive time.

Calling to your fellow companions in a distorted sound-synthesized voice through the VR headset to watch their backs – because of the several skeletons rising from the floor – and discussing strategies creates a real feeling of teamwork and excitement as you work together to progress into the later levels. It is possible to save your game to return to later if you run out of money.

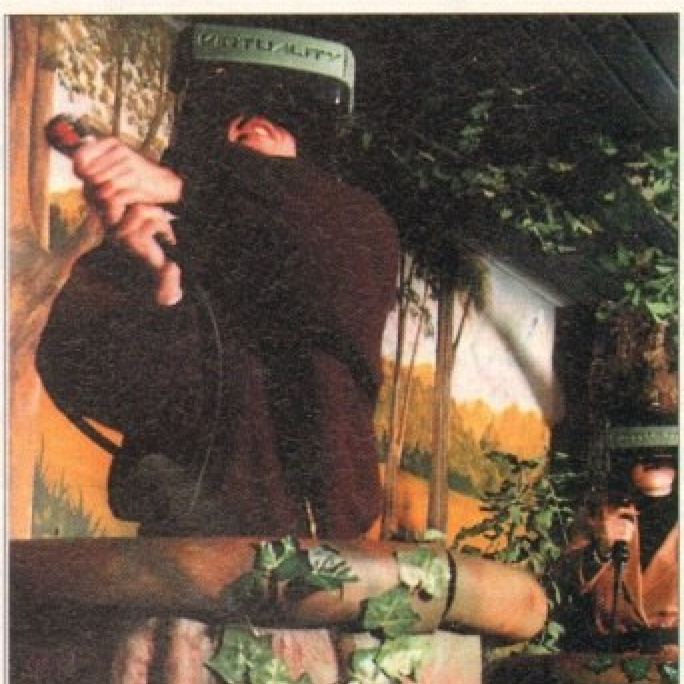
DRAMATIC

Winner of *CyberEdge Journal*'s VR software of the year award 1993, Legend Quest is what virtual reality is all about – feeling like you're there.

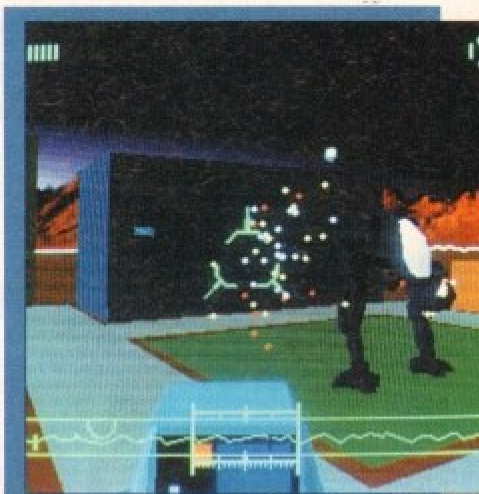
Despite the basic chunky look of the graphics, the far from perfect frame update and the occasionally unresponsive at times controls that don't exactly show off state-of-the-art technology, insiders believe that there will be a dramatic improvement within the next 12 months.

According to Clive Jones of Dimension: "The whole marketplace is technically developing incredibly quickly particularly [in] the graphics performance area."

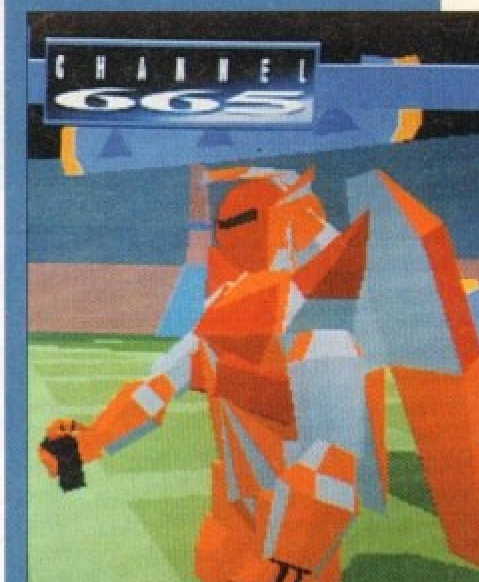
With peripherals such as data gloves soon to be released into the arcades and five more games on the way including an underwater adventure, a *Star Wars*-type escapade and a boxing game as well as a flurry of entertainment activity across the Atlantic, VR is shaping up to be a healthy contender for the coveted title of the ultimate gaming experience.



The common set-up for standing games: Here the players stand in a CS 1000, a "pod" used for a safe playing area... in this example, Legend Quest



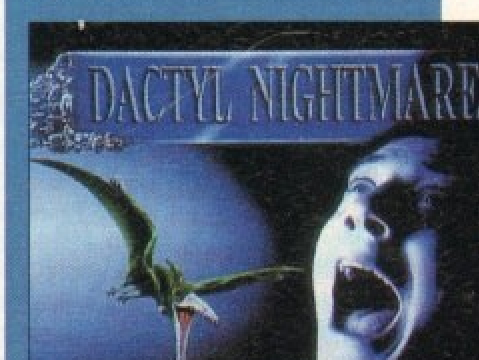
Exorex – one of the games in the Virtuality catalogue



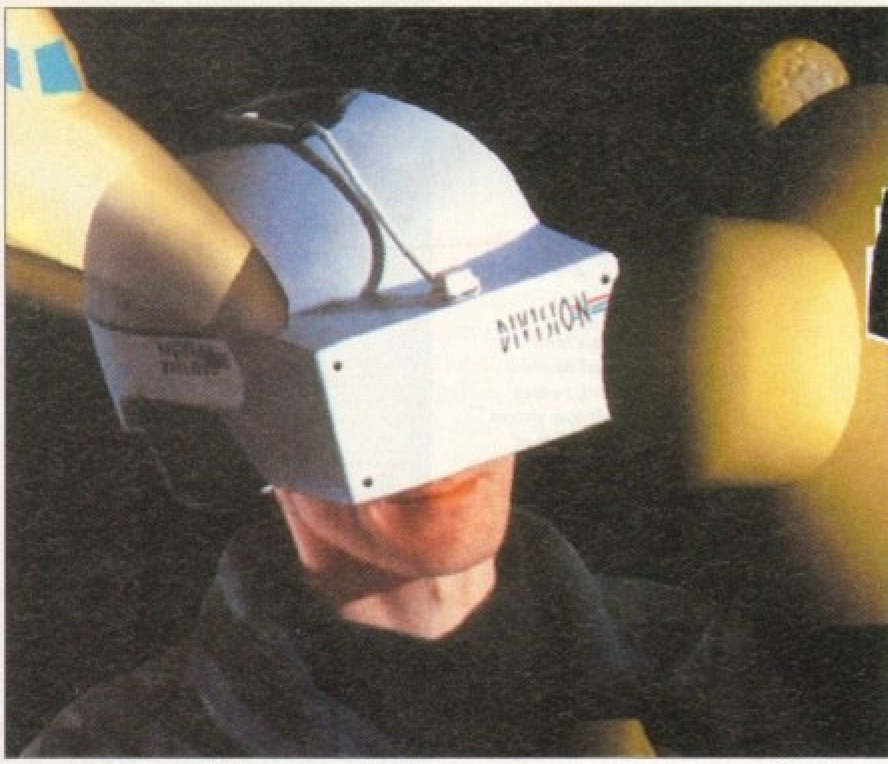
Gridbusters – a frenzied gladiatorial game set in the future



One of Virtuality's games, Flying Aces, is played in the sit down pods, the SD1000...



Watch your back and shoot the opposition in one of the first VR games



Division's HMD



A small, light and sleeker HMD compared to older models

were able to walk through and see their future homes, and during the two days that the VR system was in use, more houses were sold than in any previous two-day period.

Clive Jones of Division said: "...if you look at some of the ways [virtual reality] is going to help people interface with computers and some of the ways in which it's going to allow multimedia to come to life which it hasn't done before, it's more than just another step – it's quite a radical improvement."

LEISURE

Stateside, where things move faster and cost more, companies like Evans and Sutherland – the makers of military and scientific simulations for industry – have decided to turn their talents to the entertainment sector.

Unlike Virtuality and Division, whose philosophies are to make VR as affordable as possible for the mass market, E&S have pulled out all the stops and created Virtual Adventures for a bargain basement price tag of $1 million each, to be installed in major theme parks in 1994.

The company's idea is to move away from the HMD and into a more sociable and interactive environment where a group of people work together to win the game.

Their first product is a game where a team must work together to save the Loch Ness monster using a vehicle containing six people performing different tasks – one pilot, a navigator and robot arm operator among others.

At the recent SIGGRAPH show in America, the world's largest computer graphics get-together, Evans and Sutherland stole the event with their breathtaking virtual reality hang-glider ride which allows two participants to fly simultaneously through separate urban landscapes. Even though this was put together purely for the show, E&S have plans to produce a line of machines for under $100,000 each.

While there are only a handful of companies through out the world in VR production, many other industries are becoming increasingly interested in the uses for this new medium.

According to America's Ben Delany, editor of the *CyberEdge Journal* (a paper specialising in all things cyberspace and virtual), among many of the proposed applications is telepresence where instead of a human going into a potential lethal situation such as a massive fire in a petroleum refinery or a meltdown in a nuclear plant, a remote-controlled robot is sent in operated by a person wearing a data suit which causes the machine to mimic their actions.

VR's uses spread as far as psychology where patients will be able to talk to an unassuming virtual therapist controlled by people out of sight – potentially useful in dealing with highly disturbed children.

GENETIC

Other more controversial VR techniques will be in genetic engineering where the engineer will move about in the fish-tank-like setting of a virtual cell, grabbing and moving organelles at will. At the same time, laser cytometres will be performing the actual manipulations on real, living cells, copying the actions of the operator.

You may have read articles and press releases about virtual reality before and grown tired of the endless stream of hyperbole: "It's the dawning of a new age,"... "The world will never be the same again,"... "It's not life as we know it, Jim," to the other extreme: "I'll destroy society, crush the souls of children, annihilate human communication..."

Although the above comments are on the extreme side, whatever VR is capable of, it is up to the people who develop and use it to make sure that this powerful medium that's coming of age is used responsibly and creatively.

While virtual reality may be just another step in technology's evolutionary ladder, the signs are that this is no flash-in-the-pan craze, and that we'll be seeing more of VR in the months and years to come.

In the words of Clive Jones at Division, questioned on the future of virtual reality: "Has it reached the unstoppable roll? It's very, very close to it."

AC

Special thanks

Parallelogram magazine
Dr Brian Collins, IBM UK Scientific Centre (Dresden)

Further reading:

Mondo 2000
CyberEdge Journal
Virtual Reality by Howard Rheingold

Further viewing

Brainstorm – The first and so far best VR film made starring Christopher Walken as the scientist tapping into the human mind to create the ultimate sensory experience.

The Lawnmower Man – A very weak, limping plot just held together by the superb VR sequences created by Angel Studios.

Emmanuelle's Seventh Heaven – Another chance for the porno industry to sink their teeth into something new. Emmanuelle conducts sex therapy through the use of virtual reality in this soft porn flick.

Cyberzone, *BBC2* – Craig Charles desperately tries to make this VR cat 'n' mouse game interesting but there's no doubt that it's just a little tedious when viewing. Worth watching if only to see virtual reality in action.

Exhibitions in VR

Imagine a system that combines virtual reality, video and sound, all squeezed into a virtual environment displaying 24 exhibits in space that normally only fits one. The Virtual Exhibition System (VES) is the brainchild of Perry Hubber, a designer working for design company Faberushi.

It's a multimedia experience in the true sense of the word, where the user is able to move via a custom controller called a Spaceball through a virtual exhibition. A series of computers are lined up which, when approached, play a short video clip describing the particular project.

"VES helps make virtual reality a more usable and accessible technology," Huber says. "For the first time, many companies can see the potential benefits of VR, and more importantly, can afford to use them."

While using a non-immersive VGA monitor, Huber opted for an Amiga 1500 fitted with an accelerator card, connected to a Laserdisc player. He intends to upgrade to a Motorola 68040-based Amiga 4000 in the future. My, my, that Commodore machine gets everywhere.

GVP

WORLD CLASS PERIPHERALS FOR THE AMIGA

NOW AT NEW LOW PRICES!

ACCELERATORS
FOR AMIGA 1500 AND 2000



If you use your Amiga for DTP, ray tracing, graphics or any other serious application, you'll appreciate the power that an accelerator brings. Accelerators replace the main processor with a faster version dramatically improving the Amiga's speed.

GVP offer a range of A1500/A2000 accelerators that simply outstrip the competition for speed and specifications. Their G-Force range includes the fastest Amiga accelerator available (the 68040 33MHz version) whilst offering a range of functions, such as 32-bit RAM upgrades, SCSI interfaces and maths co-processors. For boosting the power of your Amiga you can't beat the GVP G-Force range!

SPECIAL OFFER SAVE £85! 42Mb QUANTUM HARD DRIVE + MOUNT KIT HAR 2042 ~~[illegible]~~ £149 INC VAT
ONLY WHEN PURCHASED WITH G-FORCE ACCELERATORS SHOWN BELOW

G-FORCE ACCELERATORS	030 25MHz	030 40MHz	040 33MHz
Speed MIPS*	7.48	12.1	30
Processor	68030EC	68030EC	68040
Maths Co-Pro.	68882 included	68882 included	In 68040 processor
Std 32-bit RAM	1Mb	4Mb	4Mb
Max 32-bit RAM	13Mb	16Mb	64Mb
Extras	SCSI	SCSI	SCSI Ser/Par
PRICE	£349 INC VAT UPG 0110	£699 INC VAT UPG 0430	£1299 INC VAT UPG 0740

*MIPS: Millions of instructions / second, a normal Amiga runs at .67 MIPS

PLUG-IN HARD DRIVE & ACCELERATOR
FOR AMIGA 500 AND AMIGA 500PLUS



The A530 is a unique combination of a hard drive, RAM board and an accelerator. Inside is a full Motorola 68030EC processor running at 40MHz making your Amiga faster than you thought possible. The A530, with a maths co-processor, is up to 300 times faster than a standard A500! The new processor and 32-bit SIMMs is joined by up to 8Mb of 32-bit RAM, which further enhances its performance. Features Include:

- *40MHz 68030EC Processor*
- *Up to 8Mb 32-bit Memory, 1Mb fitted*
- *Cut Off Switch For Game Compatibility*
- *Designer Styling to Match the A500*
- *Dedicated Power Supply and Fan Unlike Many Competitors*
- *Mini-slot for Future Expansions*
- *Factory Installed Hard Disk*
- *High Speed DMA SCSI Controller Can Handle 7 Devices*

GOLD 94%

PC EMULATOR
PLUGS INTO THE HD8+ OR A530 TO ALLOW YOU TO RUN PC COMPATIBLE SOFTWARE ON YOUR AMIGA
286-16MHz EMU 0500 £99 INC VAT

A530 HARD DRIVE & 40MHz ACCELERATOR

42Mb	80Mb	120Mb
~~£699~~ £399 INC VAT - HAR 0962	~~£799~~ £499 INC VAT - HAR 0968	~~£899~~ £599 INC VAT - HAR 0974

PLUG-IN HARD DRIVE
FOR AMIGA 500 AND AMIGA 500PLUS



A hard drive will have an immediate effect on your Amiga. Where you used to constantly swap disks, wait for files and programs to load and sit around waiting for disk accesses, you'll now be pushed to keep up with your Amiga! Hard drives work in the same way as floppy disks, but can hold a great deal more information and access this data much quicker.

The A500-HD8+ provides the ultimate in hard drive performance, it can also increase the memory of your Amiga, and provide PC compatibility. Features include:

- *Ultra Fast Access SCSI HD*
- *Up to 8Mb of FAST RAM*
- *Mini-slot for Future Expansions*
- *Cut Off Switch For Game Compatibility*
- *Designer Styling*
- *Dedicated Power Supply and Fan Unlike Many Competitors*
- *High Speed DMA SCSI Controller - Can Handle 7 Devices*

GOLD 92%

HD8+ HARD DRIVES

42Mb	80Mb	120Mb
~~£299~~ £199 INC VAT - HAR 0840	~~£399~~ £299 INC VAT - HAR 0888	~~£499~~ £399 INC VAT - HAR 0922

GRAPHICS CARD
FOR A1500/A2000/A3000/A4000



ALL-IN-ONE GRAPHICS CARD

Impact Vision 24 is a fully featured video card. Unlike other graphics cards which require you to buy extra modules later, IV24 has everything you could want from a video board built-in!

Included with IV24 is GVP's custom Video Interface Unit (VIU). This gives you more choices for in and outputting video signals than any other Amiga peripheral on the market. VIU-CT splitter provides additional RGB, Y, R-Y and B-Y output.

FREE SOFTWARE WITH IV24

Create stunning 3D rendered images, retouch captured images and wipe between 2 video sources with 50 packaged video transitions for production studio effects. Also included is MacroPaint 2, a powerful 24-bit graphics package which can paint in 16.8 million colours.

- *1.5Mb 24-bit, 16.8million Colour Buffer*
- *Real-time Framegrabber/Digitiser*
- *De-interlaced, Video Flicker Fixer*
- *Movable/Sizable PIP (Picture-in-Picture)*
- *2 Video Genlock (RGB & Composite)*
- *768 x 580 Resolution*
- *Captured Image Retouching/Processing*
- *Titling/Character Generation*
- *Real-time 24-bit Painting*
- *Animation/3D Rendering*
- *FREE! Caligari 24, MacroPaint 2, MyLad and Desktop Darkroom Software*

A1500/A2000 ADAPTOR - £49.95 - GVA 5224

IV24 inc VIU-S	IV24 inc VIU-CT
~~£1499~~ £999 INC VAT - VID 7504	~~£1899~~ £1299 INC VAT - VID 7124

VIDEO GENLOCK
FOR ALL AMIGAS



G-Lock is a fully featured Genlock, which allows you to mix Amiga text and images with moving video pictures. You can then send the combined result back to your video recorder for recording.

- *Two Composite Video Inputs or S-Video (Y/C) Input*
- *Simultaneous Composite & S-Video and RGB Output*
- *Video Processor - Real Time Software Control of Video Attributes (Sharpness, Gain, Brightness etc)*
- *ARexx Compatible*
- *Works with Flicker Fixers*
- *Multiple Keyer Modes*
- *Full Audio Support*

GOLD 93%

G-LOCK ~~£349~~ £299 INC VAT - VID 2500

HARD DRIVE CARD
FOR A1500/A2000/A3000/A4000



The HC8+ hard drive card gives the ultimate in hard drive performance and can be used to increase your Amiga's RAM.

NEW LOW PRICES!

- *High Speed DMA SCSI Controller - Can Handle 7 Devices*
- *Ultra Fast Access SCSI Hard Drive*
- *Up to 8Mb of FAST RAM*
- *Direct Memory Access Style Design*

0Mb	42Mb	80Mb	120Mb
— £129	~~[illegible]~~ £199	~~[illegible]~~ £299	~~[illegible]~~ £399

IMAGE PROCESSING
FOR ALL AMIGAS WITH 4Mb RAM



Image FX is a complete solution for all your image creation and editing needs. It has a vast range of facilities, can read and write to many other different file formats and directly controls a wide variety of hardware.

CINEMORPH INCLUDED! SEE DETAILS BELOW

- *24-bit Painting*
- *ARexx Compatible*
- *Virtual Memory Support*
- *Load, Save and Convert to the Following Formats: ANIM, BMP, Clipboard, DCTV, DPIIE, GIF, HAM-E, ILBM, IMPULSE, JPEG, RENDITION, SCULPT, TARGA, TIFF AND MORE*
- *Scanning, Framgrabbing & 24-bit Board Support Comes with Modules for Several Popular Hardware Devices: JX100, IV24, AGA/AA Chipset*
- *Create Animations*
- *Numerous Special Effects Edge Feathering, Shading, Alpha Channel, Morphing, Compositing etc*

Promo Price, originally £269.95

IMAGE FX £149.95 INC VAT - ASI 2002

40MHz ACCELERATOR
FOR THE AMIGA 1200



Other A1200 cards claiming to be accelerators only add maths co-processors and extra RAM, whilst the A1230 can provide both of these PLUS an enhanced CPU. This replacement CPU upgrades the A1200's existing processor with a 68030EC processor running at 40MHz!

32-bit RAM and a maths co-processor can also be added, enhancing performance still further. The A1230 doesn't void your Amiga warranty, and is also compatible with PCMCIA standard cards, not preventing their use!

- *The First True A1200 Accelerator*
- *68030EC Processor Running at 40MHz*
- *Up to 32Mb of 32-bit RAM*
- *Easy Fitting Trapdoor Expansion - Doesn't Void Your Warranty*
- *Doesn't Disable PCMCIA Interface*
- *Optional 68882 Co-processor - Twice the Speed of a 68881*

A1230 40MHz ACCELERATOR

0Mb RAM, No FPU 40MHz CPU	4Mb RAM, No FPU 40MHz CPU	4Mb RAM, 40MHz FPU 40MHz CPU
£249 INC VAT - UPG 1230	£399 INC VAT - UPG 1232	£499 INC VAT - UPG 1234

SOUND SAMPLER
FOR ALL AMIGAS NEW!



Capture sound from an external source and play it back in stereo or mono on your Amiga. The latest version of GVP's Digital Sound Studio (DSS8+) enables you to create audio effects for use in games or jingles.

- *New Style High Impact, Clear Poly-Carbonate Casing*
- *Simultaneously Holds up to 31 Sound Samples in Memory*
- *Real-time Oscilloscope, Spectrum Analysis, Echo & Reverberation*
- *AREXX Compatible*
- *Microphone Input*
- *.MOD File & MIDI Compatible*
- *FREE Samples Disk*

DSS8+ £69 INC VAT - MUS 2510

SCSI/RAM EXPANSION
FOR THE AMIGA 1200

Adding RAM or a hard drive to your Amiga will have a considerable impact on its speed. The GVP SCSI/RAM allows you to enhance your Amiga with both. Its SCSI hard drive interface is one of the fastest available, whilst its 32-bit RAM upgrade is based on the same technology as that featured in the best selling A1230.

- *Built-in, Full SCSI Hard Drive Interface*
- *Optional 8Mb of 32-bit RAM*
- *Optional 68882 Maths Co-processor*

EXTERNAL SCSI ADAPTOR KIT - £49 INC VAT - HAR 1245

0Mb RAM	4Mb RAM + 33MHz 68882 FPU
NEW! £199 INC VAT - HAR 1200	NEW! £399 INC VAT - HAR 1230

VIDEO EFFECTS
FOR ALL AMIGAS WITH 3Mb RAM



CineMorph from GVP opens up the world of Morphing, the process of converting one image to another to create dazzling special effects. Currently very popular in music videos and feature films, morphing has become the fashionable video effect to use. Now with CineMorph you can create these stunning effects on your Amiga.

- *Supports the AA Chipset*
- *Static or Full Motion Morphing*
- *Single Image Warping*
- *Fast Render Times*
- *Renders to HAM-E and DCTV*

Promo Price, originally £99.95

CINEMORPH £24.95 INC VAT - ASC 4422

ALL PRICES INCLUDE VAT - DELIVERY IS FREE OF CHARGE IN THE UK MAINLAND

SILICA SYSTEMS OFFER YOU

Before you decide when to buy your new Amiga products, we suggest you think very carefully about WHERE you buy them. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals or software, or help and advice. And, will the company you buy from contact you with details of new products? At Silica Systems, we ensure that you will have nothing to worry about. We have been established for almost 14 years and, with our unrivalled experience and expertise, we can now claim to meet our customers' requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Systems Service".

- **GVP APPROVED DEALER:** Official GVP peripherals and accessories dealer.
- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** A team of technical experts will be at your service.
- **PRICE MATCH:** We match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 15 YEARS:** We have a proven track record in professional computer sales.
- **PART OF A £50M COMPANY** (with over 200 staff): We are solid, reliable and profitable.
- **BUSINESS + EDUCATION + GOVERNMENT:** Volume discounts are available. Tel: 081-308 0888.
- **SHOWROOMS:** We have demonstration and training facilities at all our stores.
- **THE FULL STOCK RANGE:** All of your requirements available from one supplier.
- **FREE CATALOGUES:** Will be mailed to you with offers + software and peripheral details.
- **PAYMENT:** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request)

SILICA SYSTEMS

HOT LINE 081-309 1111

MAIL ORDER: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX	Order Lines Open: Mon-Sat 9.00am-6.00pm, No Late Night Opening	Tel: 081-309 1111, Fax No: 081-308 0608
LONDON SHOP: 52 Tottenham Court Road, London, W1P 0BA	Opening Hours: Mon-Sat 9.30am-6.00pm, No Late Night Opening	Tel: 071-580 4000, Fax No: 071-323 4737
LONDON SHOP: Selfridges (Basement Arena), Oxford Street, London, W1A 1AB	Opening Hours: Mon-Sat 9.30am-7.00pm, Late Night: Thursday - 8pm	Tel: 071-629 1234, Extension: 3914
SIDCUP SHOP: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX	Opening Hours: Mon-Sat 9.00am-5.30pm, Late Night: Friday - 7pm	Tel: 081-302 8811, Fax No: 081-309 0017
ESSEX SHOP: Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA	Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm), Late Night: Thursday - 7pm	Tel: 0702 468039, Fax No: 0702 468039
IPSWICH SHOP: Debenhams (2nd Floor), Waterloo House, Westgate St, Ipswich, IP1 3EH	Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm), Late Night: Thursday - 9pm	Tel: 0473 221313, Fax No: 0473 287762

To: Silica Systems, AMCOM-0194-68, 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND A BROCHURE ON THE GVP RANGE

Mr/Mrs/Miss/Ms: .... Initials: .... Surname: ....

Company Name (if applicable): ....

Address: ....

....

.... Postcode: ....

Tel (Home): .... Tel (Work): ....

Which computer(s), if any, do you own? 68V

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

Free ...with ALL Amigas and CD32

Jurassic Pa

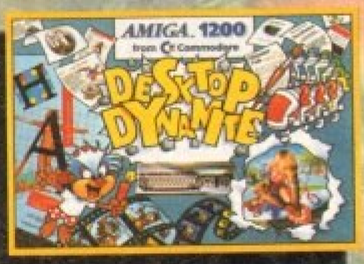
JURASSIC PARK by... ocean

PLUS... a Mouse Mat, Dust Cover and Micro Switched Joystick with Amiga's - only from...

HARWOODS

and... YOU decide which pack to buy from a mammoth range of Amiga A1200 options!

Desktop Dynamite



Amiga A1200 with Dennis, Deluxe Paint IV, Oscar, Print Manager & Wordworth Home WP

OR...

Race 'N' Chase



Amiga A1200 with Trolls and Nigel Mansell's Grand Prix

Plus Packs with Hard Drives, Monitors and Printers too. ALL AT MONSTER SAVINGS!

The Latest Amiga A1200 Packs...

Desktop Dynamite Pack 1

Amiga A1200 Desktop Dynamite Pack with Dennis, Deluxe Paint IV, Oscar, Print Manager and Wordworth Home WP, Plus... FREE - Mouse Mat, Dust Cover, Joystick and JURASSIC PARK THE GAME of '93!

£339.95

Desktop Dynamite Pack 2

Dynamite Pack 1 as detailed above (including Freebies), Plus... the Superb Philips 15" Pro 2000 Colour Monitor/TV giving you the best of the A1200 with a magnificent display... Desktop Dynamite Pack 2 - Great Value at just... JURASSIC PARK

£554.95

Desktop Dynamite Pack 3

Dynamite Pack 3 has everything you'll need in ONE complete bundle at a very Special Price. We've added the market leading Citizen 240C Colour Printer to Dynamite Pack 2 (above) - the Perfect Amiga Combination! Don't forget with ALL our Amigas you get Free Mouse Mat, Dust Cover, Joystick and JURASSIC PARK only... £819.95

Race 'N' Chase Pack 1

Amiga A1200 Race 'N' Chase Pack with Trolls and Nigel Mansell's Grand Prix, Plus... FREE - Mouse Mat, Dust Cover, Microswitched Joystick and the JURASSIC PARK MONSTER GAME of 1993

£299.95

Race 'N' Chase Pack 2

Race 'N' Chase Pack 1 as detailed above (including Freebies), Plus... the Superb Philips 15" Pro 2000 Colour Monitor/TV giving you the best of the A1200 with a magnificent display... Race 'N' Chase Pack 2 - a Budget... JURASSIC PARK

£524.95

Race 'N' Chase Pack 3

Race 'N' Chase Pack 3 has everything you'll need in a Starter Pack - and... At a Budget Price! As well as the A1200 and Philips 15" Pro 2000 Monitor/TV (as our Pack 2 above), we also include the magnificent Citizen 240C Colour Printer along with Software and Harwoods comprehensive extras for only...

with FREE JURASSIC PARK £784.95

Amiga A1200 HARD DISK DRIVE OPTIONS	DESKTOP DYNAMITE CHOICES			RACE 'N' CHASE CHOICES		
	STANDARD PACK Inc. Mouse, Leads, Manuals, Software etc.	STANDARD PACK plus PHILIPS PRO 2000 MONITOR/TV	STANDARD PACK plus PRO 2000 & CITIZEN 240C COLOUR PRINTER	STANDARD PACK Inc. Mouse, Leads, Manuals, Software etc.	STANDARD PACK plus PHILIPS PRO 2000 MONITOR/TV	STANDARD PACK plus PRO 2000 & CITIZEN 240C COLOUR PRINTER
85Mb.	£524.95	£734.95	£1014.95	£499.95	£704.95	£964.95
130Mb.	£544.95	£759.95	£1029.95	£514.95	£724.95	£984.95
210Mb.	£704.95	£924.95	£1189.95	£684.95	£904.95	£1164.95

PHILIPS AMIGA CITIZEN PRINTERS

All trademarks are acknowledged and are Copyright of their respective holders. Jurassic Park and it's Trademark are © 1992 Universal City Studios, Inc. & Amblin Entertainment, Inc.

All prices are inclusive of VAT at 17.5%. Prices are correct at time of going to press and subject to availability - E&OE.

gordon

acked!

Harwoods LifeTime Warranty Plan

Now you can add a Warranty to ANY hardware item from Harwoods for less than you'd think! Take out up to 5yrs cover and at the end of that period you can extend cover annually... A LIFETIME's Peace of Mind! What's more the Warranty is fully transferrable enhancing re-sale values should you ever decide to upgrade your equipment. Available now even on hardware you may have purchased elsewhere!

POWER PRO Pack 1

Amiga A1200 with 80Mb. Hard Drive, Citizen 240C Colour Printer & Philips Pro 2000 Colour Monitor/TV

PLUS: All cables, Dust Covers for Amiga & Printer, Citizen Print Manager 2, Printer Paper/Labels, Mouse Mat, Final Copyll, Superbase, Superplan, Nigel Mansells Grand Prix and Trolls AND... JURASSIC PARK

FANTASTIC AT...£999.95

POWER PRO Pack 2

Amiga A1200 POWERPRO PACK 1 as detailed above but with the Amazing MicroVitec CubScan 1440 DMS 14" Colour Hi-Res Multi-Sync Monitor *(in place of Philips Pro 2000)*

FOR THE REAL ENTHUSIAST AT A SPECIAL PRICE only...£1199.95 AND with... JURASSIC PARK

CD32



with FREE... JURASSIC PARK

...available soon!

Amiga CD32 - THE NEW COMPUTING REVOLUTION!

Ideal for the ardent games player this 32Bit CD ROM System will expand into a full computer as your needs grow with CBM's planned Keyboard, Drives etc.

with Free... JURASSIC PARK £289.95

Amiga A1200 HARD DISK DRIVE OPTIONS	POWERPRO PACK1 with 80Mb HD A1200, Philips Pro 2000 Monitor/TV & Citizen 240C Printer	POWERPRO PACK2 with 80Mb HD A1200, Citizen 240C Printer & Multisync Microvitec Monitor
85Mb.	£999.95	£1199.95
130Mb.	£1019.95	£1219.95
210Mb.	£1189.95	£1389.95

PHILIPS Displays

CM 8833 MKII 14" STEREO COLOUR inc. Leads/Dust Cover — £199.95 While Stocks Last!

PRO 2000 15" COLOUR SUPER-RES MONITOR/TV inc. Leads — £239.95 The one in all Harwoods packs

The best of both Worlds - Quality Computer Display and fully featured FST High Definition TV in one! Infra red remote, FastText Teletext, Loop Aerial, Headphone Socket.

Commodore Displays

CBM 1084S COLOUR 14" STEREO Inc. Leads/Dust Cover — £179.95 While Stocks Last!

CBM 1942 MULTISYNC 14" COLOUR STEREO Inc. Leads, Dust Cover etc. (for A1200's, 3000's & 4000's) .28 Dot Pitch — NEW LOW... £349.95

NEW... MICROVITEC CUBSCAN (no DMS)... THE LOWEST COST MULTISYNC MONITOR AVAILABLE!!!

MicroVitec Displays

CUBSCAN (no DMS)... 14"Colour Hi-Res MultiSync Monitor, .28 Dot Pitch available mid Jan. £299.95

CUBSCAN 1440 DMS... 14"Colour Hi-Res Multi-Sync Monitor, Built-in DMS, .28 Dot Pitch £429.95

ADDED VALUE PACKS

HARWOODS EXCLUSIVE POWERPLAY GAMES PACK

A GREAT BUNDLE OF 18 EXTRA GAMES TO ADD TO OUR AMIGA OPTIONS...

YOU WON'T NEED TO BUY MORE FOR AGES!!!

Xenon 2 Megablast*, Stir Crazy, TV Sports Football, Hostages, Jumping Jackson, Bubble Plus, Bloodwych, Tin-Tin on the Moon, Krypton Egg, Purple Saturn Day, Eliminator*, Skychase, Safari Guns, Lombard RAC Rally, Captain Blood, Strike Force Harrier*, Sky Fox II and Lancaster

only...£19.95

...purchased with an Amiga or just £24.95 separately.
*Not compatible with A1200/3000/4000.

harwood

0773 836781

New Street • Alfreto
Derbyshire • DE55 7

Fax: 0773 83104

Access · VISA · SWITCH · DELTA · Creditcharge

FINANCE FACILITIES AVAILABLE - Please contact us for your personal information pack giving full details.

Amiga Printers

All our printers are supplied for immediate use including cable, paper and labels FREE OF CHARGE. Dot matrix models come with tailored dust cover. We also include specific Amiga driver disks with ALL printers FREE, (with Citizen models you get the excellent Print Manager Version 2)

CITIZEN

All with 2 Year Warranties

		Swift 200 Mono	£194.95
120D+ Mono	£119.95	Swift 200 Colour	£204.95
Swift 90 Mono	£154.95	Swift 240 Mono	£219.95
Swift 90 Colour	£169.95	Swift 240 Colour	£239.95

star

LC100 Colour NEW LOW...	£149.95
SJ144 Thermal Colour HQ Printer	£529.95
LC24-30 Colour 24Pin Complete with 50 Sheet Auto-Feeder, up to 192cps (draft), 64cps (LQ), 10 Resident LQ Fonts, 14.6K Buffer	£229.95
LC24-300 Colour 24Pin LCD Panel, up to 264cps (draft), 80cps (LQ), 16 Resident LQ Fonts, 46.7K Buffer, Quiet 46/43db Modes	£289.95

STAR LASER PRINTERS...



LS-5	£579.95
LS-5EX	£679.95
LS-5TT PostScript	£949.95

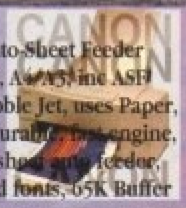
star Print Manager

Available with all new Star Printers or for existing Star users. Higher printing resolutions and more control of your Star. Please ask for details of this great new utility.

star Extended Warranty Plan

New Prestige Warranty available on all Star printers. This is in addition to Star's standard 1 year warranty and can be extended to a max. of THREE YEARS ON-SITE from a very low cost!!! Please ask for further information or check out the booklet we include with every Star Printer

Canon



BJ10sx Mono	£219.95
BJ200 Mono, 250cps, Inc. Auto-Sheet Feeder	£319.95
BJ230 Mono, 360dpi, 248cps, A4/A3 inc ASF	£369.95
BJC600 S, 360dpi Colour Bubble Jet, uses Paper, OHP, envelopes. Compact, durable [illegible] engine, 4 colour CMYK system, 100 sheet [illegible] feeder, 240/170cps - text mode, 8 std fonts, 65K Buffer	£564.95

hp

510 Mono Deskjet	£264.95
500 Colour Deskjet	£309.95
550 Colour Deskjet	£524.95

Amiga Compatible Apple™ Printers

Apple™ equipment has always had a reputation for its quality and reliability...but, at a price! NOW you can use Genuine Apple™ Printers with your Amiga at far MORE COMPETITIVE prices than you'd imagined was ever possible...

Apple™ Personal LaserWriter™ NTR

4ppm Canon engined laser with superfast RISC Processor & 3Mb RAM (upgradable to 4Mb). True PostScript™ Level 2. HP LaserJetII & PCL 4+ emulations. FULLY Amiga & PC compatible. Parallel, Serial RS232 & LocalTalk interfaces built-in. No other laser of this quality costs so little...

£739.95

Apple™ Color A3/A4 BubbleJet

Canon BJC 820 engined 360x360dpi BubbleJet. EpsonQ 24Pin emulation. Parallel & SCSI interfaces. A3 & A4 size paper. Up to 300cps in text mode! INFINITE COLOUR OUTPUT using a 4 colour CMYK system of ink cartridges with approx. 700page life. There's no better inkjet at only...

£704.95

Canon Accessories & Consumables

INKJET CARTRIDGES:

BJ10ex/sx	£15.95	BJ800 - Black	£16.95
BJ200/230	£15.95	BJ800 - Cyan	£21.95
BJ600 - Black	£6.95	BJ800 - Magenta	£21.95
BJ600 - Cyan	£8.95	BJ800 - Yellow	£21.95
BJ600 - Magenta	£8.95		
BJ600 - Yellow	£8.95		

SHEET FEEDERS:

BJ10sx in White or Black £54.95

CITIZEN Accessories & Consumables

RIBBONS:

	MONO	COLOUR
120D	£3.95	NONE
90/C	£3.95	£15.95
24/200/240	£4.45	£15.95

AUTO SHEET FEEDERS: All 80 Column Models (Please state) £84.95

ACCESSORIES:

9/24Pin, 80Column Colour Kit (not 124)	£37.95
24Pin, 32K RAM Expansion (not 200/240)	£13.95
24Pin, 32K RAM Expansion for 200/240	£19.95
24Pin, 128K RAM Expansion (not 200/240)	£32.95

star Accessories & Consumables

	MONO	COLOUR
RIBBONS:		
LC10/20/100	£3.95	£5.95
LC200	£5.95	£10.95
LC24/200	£6.25	£12.45
INKJET CARTRIDGES:		
SJ48	£15.95	NONE
SJ144	£10.95	£12.95

AUTO SHEET FEEDERS: All 80Column Models... (Please specify model when ordering) £84.95

hp Accessories & Consumables

	MONO	COLOUR
INKJET CARTRIDGES:		
Deskjet/Deskwriter	£21.95 DoubleLife	£24.95 Standard
Paintjet	£21.95	£27.95
PAPER/TRANSPARENCY FILM:		
Single Sheet		£18.95
Z-Fold		£20.95
Transparency Film (50 Sheets)		£49.95

Amiga Boards UPGRADES

Now you can expand your Amiga beyond the capabilities of many "business" computers with Harwoods upgrades.

Blizzard 1200 Memory Board

Winner of Amiga Format's Gold Award with a 93% rating the specification is impressive...

1. 4mb RAM as standard & option to add a further 4Mb.
2. 32Bit LIGHTNING FAST Zero wait state FAST RAM (normally quicker than PCMCIA cards)
3. Real Time battery backed clock
4. FPU socket built-in for STANDARD PLCC type Maths Co-Processors of up to 40MHz speed!!!
5. Easy A1200 "Trapdoor" fitting retaining CBM Warranties
6. Compact design utilising latest SMT technology
7. Full TWO YEAR WARRANTY

BLIZZARD 1200-4Mb BOARD	£179.95
4Mb. RAM Expansion (Blizzards own)	£139.95
33MHz. FPU Maths Co-Processor	£79.95
BUY ALL THREE TOGETHER FOR JUST...	£369.95

Blizzard 1230 Turbo Accelerator

From the makers of the acclaimed Blizzard 1200 RAM Board comes a great A1200 Accelerator...

1. 400-500% performance increase on all applications (with additional on board RAM)
2. Optional fast (up to 10Mb/sec) DMA SCSI-II interface for CD ROM etc. (CDTV, ISO-9660 Formats), Removable/ Drives (Syquests Bernoulli etc) as used on Macintosh etc.
3. 40MHz 68EC030 Processor
4. Up to 50MHz 68882 PLCC or PGA FPUnit (Maths Co-Pro)
5. Up to 64Mb of 32-Bit RAM using standard 72 Pin SIMMS
6. Battery backed real time clock
7. Easy trap door installation. Does NOT void warranties
8. No software required, just plug in and go!

BLIZZARD 1230 TURBO (0Mb.)	£244.95
4Mb. RAM Expansion, 32Bit SIMM	£179.95
33MHz. FPU Maths Co-Processor	£79.95
BUY ALL THREE TOGETHER FOR JUST...	£449.95

FASTLANE Z3 SCSI-II Interface

Lightning FAST Hard Disk access for all Amiga A4000 owners. The only IDE answer...

1. Fast (up to 10Mb/sec) DMA SCSI-II interface for CD ROM etc. (CDTV, ISO-9660 Formats), Optical/Removable Drives (Syquests etc) as used on Apple Macintosh etc.
2. Expandable up to 64Mb of 32-Bit Fast RAM
3. Requires no Buster Chip upgrade!!!
4. Compatible with all existing Amiga A4000's
5. 4 x 32-Bit SIMM Sockets

Exceptional Value FASTLANE Z3... £329.95

GVP Accelerators
40MHz. 68030ec, 32Bit BOARDS

GVP 1230 - With 0Mb. RAM	£249.95
GVP 1230 - With 1Mb. RAM	£309.95
GVP 1230 - With 4Mb. RAM	£499.95

Ask about RAM upgrades and Maths Co-Pro's

SUPRA Turbo 28MHz Accelerator

Compatible with ALL A500's & A500Plus (A1500 & 2000 versions available, please ask for details)...

1. Plugs into sidecar expansion slot A500/A500Plus
2. Speeds up your Amiga - up to FOUR TIMES NORMAL SPEED!
3. With throughport for RAM/Hard Drive Expansion etc.

Amiga MUST have some FAST RAM (only std A500Plus do not). Any sidecar or GVP HD RAM already fitted is FAST RAM.

A1200 Performance at only... £129.95

Shown on these two pages are just selections of our extensive range of Amiga Peripherals and Accessories which we are continually extending as new products become available. Please phone us if the item you need is not listed or to enquire about latest news.

BY PHONE: Phone our Order Hotline with your Access, Visa, Mastercard Switch or Lombard Creditcharge Card quoting number & expiry date (Most Dixons, Currys, NASCR and other 'store' cards are Lombard Creditcharge and are happily accepted by us).

BY POST: Make cheques, bankers building society drafts or postal orders payable to GORDON HARWOOD COMPUTERS. (Please allow 7days to clear prior to despatch). Please send Name, Address, and most importantly if possible, a Day time Telephone Number along with your order requirements. Please check you are ordering from latest advertisement before posting (phone if you require confirmation). Please remember that for example many September publications appear during August, etc., therefore prices you see may have changed (either up or down!).

All prices are inclusive of VAT at 17.5%. Prices are correct at time of going to press and subject to availability - E&OE.

gordon harwood computers

Amiga Accessories

Sound & Graphics

- Rombo Vidi 12, V2.00 — £74.95
- Vidi 12 & Sound & Vision — £94.95
- Technosound Turbo Sampler — £29.95
- NEW Technosound Turbo 2 — £44.95



Amiga Music Peripherals

- Miracle keyboard — £249.95
- Music X full version 1.1 — £24.95
- Midi interface 5port c/w cable — £24.95
- ZYFI Stereo Speakers — £39.95
- ZYFI Pro Stereo Speakers — £54.95
- Stereo Master — £29.95
- Deluxe Music 2 — £69.95
- Meglosound — £29.95

Amiga Scanners

- Power Mono NEW V4.0 Hand Held Scanner — £127.95



- Epson GT6500 Flatbed — £839.95
- Epson GT8000 Flatbed — £1179.95
  (inc. Art Dept. Professional)
- If you already own a scanner buy Art Dept. Professional for just... — [illegible]

Amiga Genlocks

- ProGen - Perfect high quality entry level true video signal genlock — £64.95
- Rendale 8802 inc switch and fader controls, A1200 — £179.95

Quality Alfa-Data Amiga Mice

- HQ Microswitched MEGA MOUSE (excellent magazine reviews) — £12.50
- HQ Microswitched 400dpi Resolution MEGA MOUSE — £13.95
- HQ Microswitched MEGA MOUSE inc. Mouse Mat/Holder — £19.95
- High Quality microswitched Optical mouse — £28.95
- HQ Microswitched Trackball — £29.95
- Auto Mouse/Joystick Switcher — £17.95

Amiga Workstations

- Premier Control Centre & Monitor Plinth with shelf:
- For Amiga A500 — £39.95
- For Amiga A600 — £34.95
- For Amiga A1200 — £39.95

Amiga Joysticks

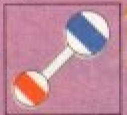
- Zipstick Autofire Joystick — £11.95
- Competition Pro-Star autofire, burstfire & slow motion — £13.95
- Python 1M — £10.95
- The 'BUG' Microswitched — £14.95
- Full range of Quickjoy and other makes stocked - please call us for prices

Blank Disks STILL AT LOW PRICES!

- 10 TDK 3.5" DS DD — £7.95
- 50 TDK 3.5" DS DD — £32.95
- 10 TDK 3.5" DS HD — £12.95
- Certified Bulk Disks with labels:
- 10 with library case — £6.95
- 50 Disks - only... — £24.95
- 100 Disks - only... — £39.95
- 250 Disks - only... — £94.95
- 3.5" Disk Head Cleaner essential for reliable loading — £2.95

Mouse Mechanic

Universal mouse cleaning tool. Cleans in seconds, needs NO FLUID, Use over and over! — £4.99 +50p p&p



Amiga RAM Upgrades

- A500 1/2Mb. Trapdoor U/G — £32.95
- A500Plus 1Mb. Trapdoor U/G — £39.95
- A600 Trapdoor U/G — £47.95
  (A500/600 RAM Exp. inc. Battery Clock)
- PCMCIA Cards for A600/1200 (fit in Smart Card Slot):
- PCMCIA - 2Mb. — £119.95
- PCMCIA - 4Mb. — £174.95

Amiga Book Shop

- Amiga 1200 Insider Guide — £14.50
- Amiga A600 Insider Guide — £14.50
- Mastering Amiga Assembler — £21.95
- Mastering Amiga Beginners — £18.50
- Mastering Amiga C — £18.50
- Mastering Amiga Workbench — £18.50
- Mastering Amiga Dos V2 Vol.1 — £19.50
- Mastering Amiga Dos V2 Vol.2 — £19.50
- Mastering Amiga Dos V2 Vol.3 — £23.50
- Mastering Amiga AMOS — £18.50
- Mastering Amiga AREXX — £19.50
- Mastering Amiga System — £24.95
- ABACUS BOOKS: In stock - Please phone us for keen prices!

External Amiga Disk Drives

- Cumana 3.5" External Disk Drive with throughport, extra long cable, free head cleaning kit — £59.95
- Power XL High Density 3.5" External Disk Drive with 1.7Mb. capacity for extra storage space, free disk head cleaning kit — £99.95

Amiga Hard Disk Drives

INTERNAL

Our internal A600/A1200 Hard Disk Drives are all high quality industry standard units manufactured by recognised and respected worldwide market leaders (eg. Conner, Seagate, Western Digital etc.). Each Hard Drive comes with a one year warranty, driver software, fitting kit and full instructions for you to fit easily yourself.
And... back up and repair utility software.

Capacity	85Mb.	130Mb.	210Mb.
Self Fit	£194.95	£214.95	£379.95

Other Hard Disk sizes available... Please phone us for further details. Hard Drive capacities are unformatted to the nearest 5Mb.

ASK ABOUT OUR FITTING SERVICE TOO!!!

EXTERNAL

New... 'OVERDRIVE 35' EXTERNAL DRIVES

Now you can get an EXTERNAL Hard Drive option that simply plugs into the PCMCIA slot of your Amiga A1200 THE EASY TO FIT ANSWER TO A HARD DISK UPGRADE!!! Ask us about prices and availability for models starting at just...

£249.95

on a range from 130Mb. up to 540Mb.

Supra Modems & FAX Modems

A full range of Modems and new FAX Modems from as little as £100!!! — £Phone!

GOLD SERVICE

Harwoods Free GOLD Service

Items that prove faulty in the first 30 days are replaced with new units unless otherwise stated (eg. on-site maintenance etc.). Hardware that may develop a fault in the first year (some products have 2 year warranty) is collected FREE (UK Mainland). You'll be given an exclusive phone number manned by our technical staff who are pleased to help you with any poblems. All hardware is fitted with a mains plug ready to use. We aim to continue providing the BEST service in the industry!

Amiga Software

Word Processing and Publishing

- Pen Pal V1.5 — £49.95
- Final Copy II Release 2-AGA — £79.95
- NEW...Final Writer — £129.95
- The Publisher — £39.95
- Professional Page V4.1 — £129.95
- Pagesetter III — £47.95
- Wordworth 2 - AGA — £99.95
- Softfaces 1 to 4 (for FCII) — £39.95
- Softclips 1 to 4 — £29.95
- Softwood Proper Grammar 2: (Grammar & Spelling checker, for ALL Amiga Word Processors) — £39.95

Integrated Titles and Databases

- Mini Office FEATURING... Word Processor, Spreadsheet, Database and Disk Manager... FULLY INTEGRATED! — £39.95
- Superbase Personal 2 — £29.95
- Superbase Personal 4 — £114.95

CAD & Drawing

- X-CAD 2000 — £97.95
- X-CAD 3000 — £254.95
- Art Expression — £144.95
- Expert Draw — £49.95

Video Software

- Scala 500 Home Titler — £74.95
- Scala Professional — £177.95
- Scala MM202 — £289.95
- EditMate — £194.95
- Broadcast Titler 2 - SVGA — £174.95

Miscellaneous Software

- GB Route Plus — £34.95
- Turboprint Pro 2.0 — £34.95
- Mavis Beacon Teaches Typing 2 — £22.95
- TypeSmith — £119.95
- System 3E — £54.95
- Personal Finance Manager — £34.95
- Arena Accounts — £94.95

Amiga Animation and Graphics Software

- Deluxe Paint 4.1 — £64.95
- Deluxe Paint 4 (AGA) — £74.95
- NEW... Caligari — £97.95
- 3D Construction Kit — £36.95
- Adorage — £57.95
- Vista Pro 3 — £54.95
- Art Department Prof. V2.3 — £149.95
- DCTV Composite Video (24-Bit Graphics System - PAL) — £349.95
- Morph Plus — £149.95
- Real 3D Classic — £74.95
- Real 3D 2 — £379.95
- Brilliance — £147.95
- Pixel 3D Pro + Anim Workshop — £149.95

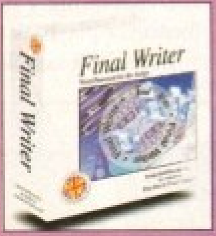
Amiga Development and Utilities Software

- Quarterback V5 — £51.95
- Quarterback Tools Deluxe (Advanced Disk/File Management) — £99.95
- PC Task - PC Emulator — £37.95
- Cross DOS — £34.95
- Easy Amos — £24.95
- Amos The Creator — £36.95
- Amos Compiler — £21.95
- Amos 3D — £25.95
- Amos Professional — £36.95
- Amos Professional Compiler — £24.95
- New SAS Lattice C V6.3 — £259.95
- Devpac 3 — £52.95
- Directory Opus V4 — £49.95

Amiga Educational Software

- "Micros" up to GCSE Standards
- micro science - to GCSE — £18.95
- micro maths - to GCSE — £18.95
- micro english - to GCSE — £18.95
- micro french - to GCSE — £18.95
- micro spanish - to GCSE — £18.95
- micro german - to GCSE — £18.95
- compendium six (6 titles) — £27.95

NEW FINAL WRITER from SoftWood Products Europe



A great new Word Publisher which incorporates DTP like features with excellent quality results — £129.95

Amiga Games

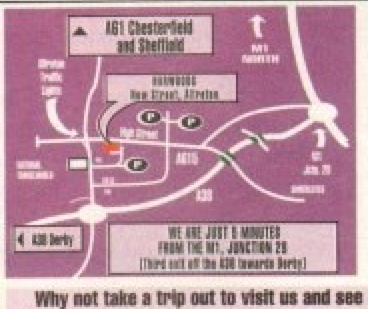
Phone and ask about our MASSIVE SELECTION of competitvely priced entertainment software!!!

0773 836781

Department ACO-
New Street • Alfreto
Derbyshire • DE55 7

Fax: 0773 83104

EXPORT: Most items are available at TAX FREE PRICES to non UK residents and/or service personnel. Please contact us for confirmation of export prices before placing your orders.



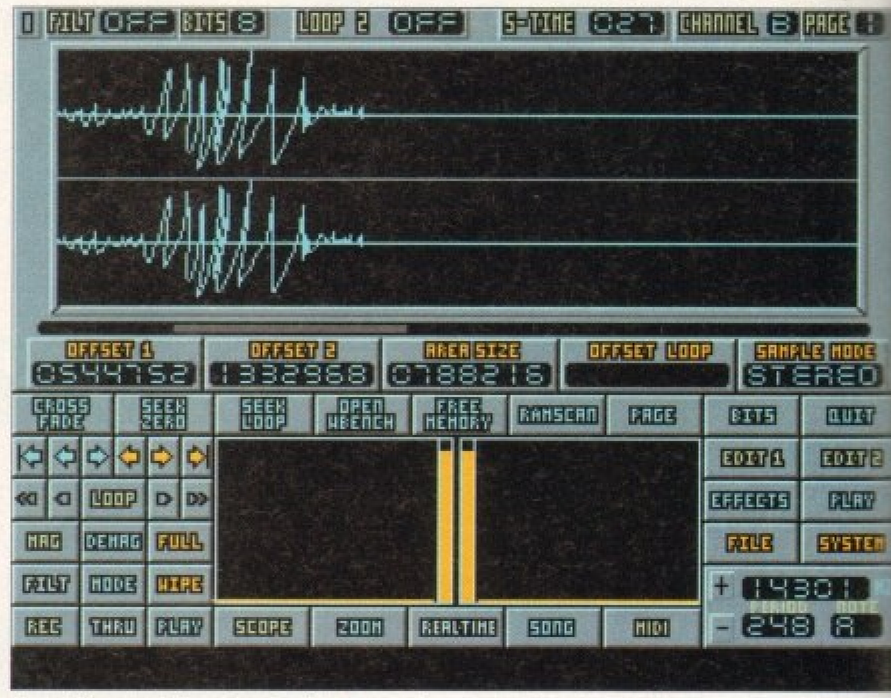
OPENING TIMES
9.00 until 5.00 Mon to Sat
Wednesday - 9.00 until 1.00

Why not take a trip out to visit us and see our full advertised range... and more! Plenty of FREE parking!

FREE DELIVERY: by Parcel Force, UK Mainland only, OR: NEXT WORKING DAY COURIER - just £6.95 per major item (or £10.00 Saturday delivery), most regions. (Despatch normally on day of order or payment clearance).

VISA





One of the many budget samplers that can produce very good results

Safer

Exciting, yes, but you need to know the basics before plugging outside sounds into your Amiga. Paul Overaa explains why your Amiga and a CD player have a lot in common...

One of the great things about the Amiga is its ability to use sampled sounds; you only have to listen to a typical game or demo to hear what can be achieved.

Sound sampling, for those of you who are new to such things, involves a rather strange translation process whereby recorded sounds are converted into sets of numbers.

In most cases this is achieved by plugging a box called a sampler or sound digitiser into the Amiga's parallel port, connecting a sound source (microphone, CD player and so on) to it, and then using a piece of software to collect and save the digitised sound.

Reasonable hardware and software can be obtained quite cheaply and although getting good results may take a little practice, the sampling process itself is easy to perform.

Now you certainly don't need to be technically minded to benefit from the Amiga's sound sampling facilities, but most users do seem to feel more comfortable with the jargon that they inevitably encounter in magazines and books if they know something about how digitisers work and how samples are stored. So, with this in mind, here's a more detailed overview of the sampling process.

A single musical note can be thought of as consisting of sound waves of a given pitch (frequency) and loudness (amplitude). When you listen to a piece of music, or anything else come to that, what you are listening to is a mass of these waves containing many different frequencies and amplitudes.

In making a tape recording of, say, a song, the intensities of each part of the waveform are continuously measured and stored (as varying strength magnetic information) on the tape. These types of continuous measurements are called "analogue" recording techniques and are so named because an ever-changing signal is being measured in a way that allows the full details of the input signal to be recorded (in theory at least).

Sound digitisers work on rather a different principle – they use special hardware which grabs and measures, ie samples, the input signal's amplitude information at specified intervals.

This usually happens many thousands of times a second and by storing the numerical values which represent the amplitude of the signal, a digital copy of the original sound is built up. The key point to approach is that because the information ends up being stored as a series of numbers in memory it becomes amenable to processing by computer.

As sound editing is then reduced to just changing the numbers associated with the digitised waveform, it becomes possible to achieve effects which are either difficult or impossible to produce with conventional analogue recording techniques.

Needless to say, the quality of any sample depends on the accuracy of the digitisation process and one of the factors to consider here is the resolution of the numbers used to define the waveform amplitude – it should be pretty obvious that sample quality is going to be dependent on the range of numbers used to represent the amplitude measurements.

EIGHT-BIT

The Amiga's internal sound chips are based on the use of 8-bit sound samples and this is why most Amiga samplers perform amplitude digitisation to an accuracy of 8-bits (this means that the numerical amplitude values found in the stored sound sample data lie in the range -128 to +127).

Although the Amiga's internal sound chips are quite impressive, this 8-bit limitation does of course put a restriction on the playback quality that can be achieved when sounds are regenerated.

Compact discs, which incidentally also use this type of digitised sound technology, are rather better in this respect because they use a 16-bit sampling amplitude resolution. This means that CD digitised data contains correspondingly more waveform detail (hence the playback sound quality is better).

Sixteen-bit samplers are available for the Amiga but, with one notable exception (namely Microdeal's Clarity 16), they're still relatively expensive. They also have another disadvantage – because each amplitude value uses 16 bits (2 bytes) instead of 8 bits (1 byte), they use up twice as much memory!

The sampling rate, ie the frequency at which signal measurements are taken, is the other factor which governs the resulting sample quality. Fast sampling rates would intuitively be expected to give better waveform detail and this is exactly what is found in practice.

Amiga digitisers are very respectable in this respect. Microdeal's Megalosound sampler, for instance, can collect mono samples at rates of 40 to 70kHz and even stereo samples can be collected at rates of 34 to 39kHz.

The relation between sampling rate and playback rate is quite easy to understand. If say you sample a musical note using a 20kHz sampling frequency, and then play that sample back using the same frequency, the digital copy of the note will sound the same as the original because you're reconstructing the waveform in the same time space.

If however you double the playback speed then you are effectively doubling the frequency of all of the elements in the waveform and since a doubling of frequency means an increase of one octave in pitch, the digitally recorded sound will end up sounding an octave higher. Half the playback frequency and the note will sound an octave lower, and so on.

DIRECT-TO-DISK

Amiga chip memory is always at a premium and since most samplers use this memory as their sample workspace, this places a limit on the size of the sample that can be taken. Some of the expensive 16-bit samplers solve this limitation by offering direct-to-hard-disk sample taking and this facility has recently filtered down to more affordable digitisers as well.

The hardware performance of direct-to-disk units tend to vary according to the efficiency of the hard disk being used but, by way of example, the Megalosound unit can often achieve speeds of around 18kHz when recording stereo samples in this way.

Irrespective of whatever sampling hardware you choose, or can afford, to buy, there are some general guidelines to bear in mind.

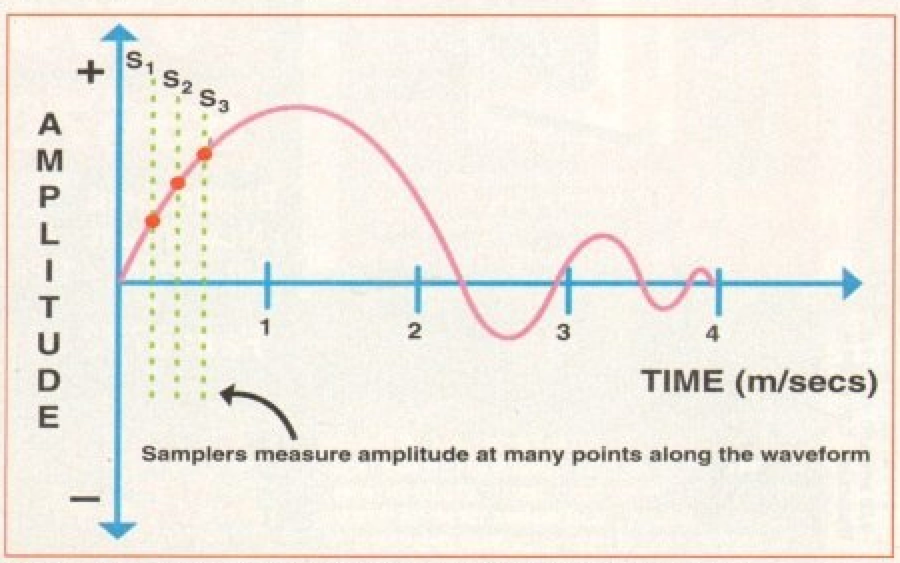


Figure I: The relationship between a sound wave, amplitude, time and sample points

Firstly, none of these units can work miracles and if the signal fed into the digitiser is poor then you can bet your bottom dollar that the results are going to be equally poor. You can get great results from CD decks, records and tape machines but if you want to use a microphone for recording voices and so on then a little more care is needed.

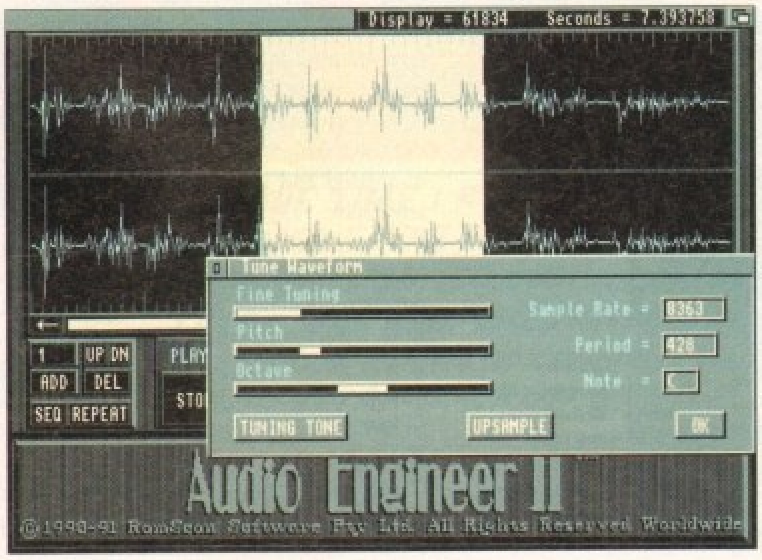
Microphones, such as the those provided with cheap portable tape machines, are best avoided (like the plague). If you need to sample microphone-based input then try and get hold of something decent (like an AKG, Shure, or Beyer) even if it means borrowing one from a rich friend!

One criteria used to measure the signal quality of hi-fi equipment and the like is something called the signal-to-noise (SNR) ratio. This basically gives a measure of the signal itself relative to any extraneous electrically generated background noise produced by the equipment.

Keeping tape heads and records clean, and using good quality connecting leads (which should incidentally be as short as possible), can all help to improve the final quality of the audio signal.

Because it is important to provide the digitiser with a good strength signal, the sampling software will provide graphic indicators which allow you to see whether a suitable signal level is being provided.

Too low and the sample will have a lot of background noise, too high and the digitiser's input circuitry won't be able to cope and you'll get a distortion effect known as



Probably the best 8-bit Amiga sound sampler in the world

Trouble shooter

With proper attention to input signal levels, and a decent original signal, very little can go wrong with your sample taking. There are however a couple of extra points worth mentioning.

To start with, dirty contacts on the audio lead that links the sound source to the digitiser can often result in poor sample quality. The remedy is to clean the jacks/phono-sockets (loose connections cause similar problems and the solution should be pretty obvious).

Audio leads trailing near to a mains power cable are another thing to watch for – it is all too easy for mains-induced hum to be inadvertently picked up.

The moral here? Keep all audio leads away from cables that carry current and don't, incidentally, do silly things like draping audio leads over your monitor.

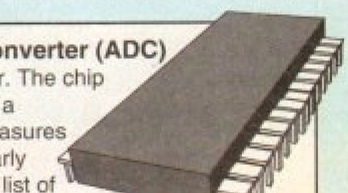
Not because it's particularly unsafe but because the high voltages inside the monitor can also result in the audio input cable picking up induced hum.

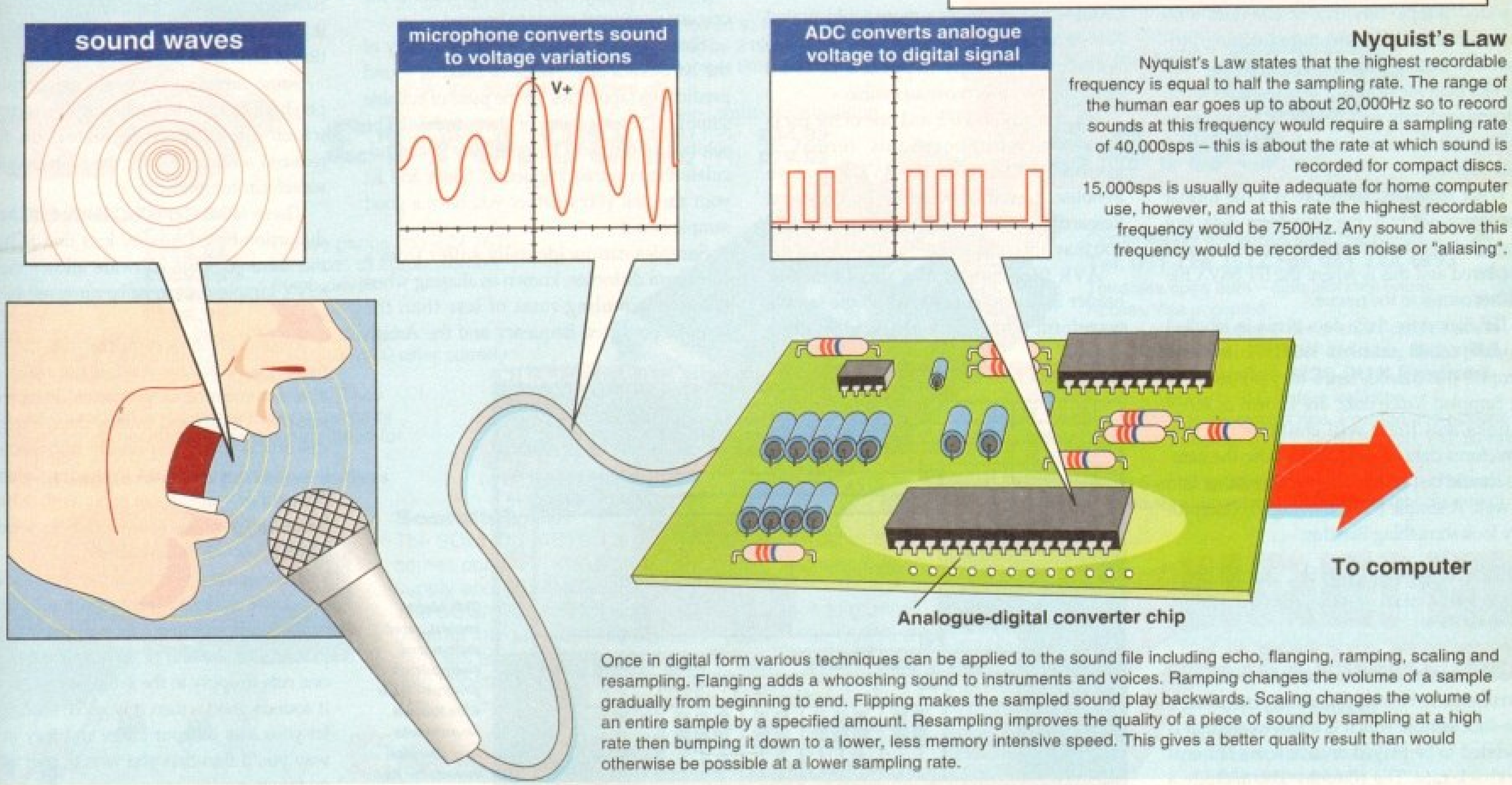
rsampling

The sound sampler

Sound samplers convert sound to a digitised form which can be stored and manipulated by a computer. Samplers rely on chips called analogue-to-digital converters (ADCs). These specialised chips sample analogue voltages and convert them into binary numbers which the computer can digest. Sound samplers usually operate at rates of up to 40,000 samples per second (sps) although sampling rates of 8,000sps to 15,000sps can be quite adequate. Control of the recording level or gain is very important. Some samplers control gain digitally on screen while others offer only hardware control.

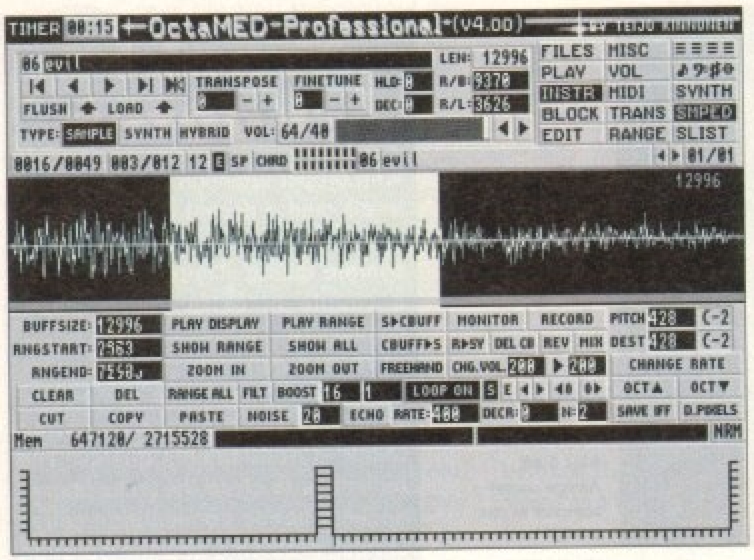
The analogue-to-digital converter (ADC)
This is the heart of the sampler. The chip samples the analogue input at a controlled sample rate and measures the voltage variations at regularly spaced intervals, generating a list of binary numeric values which can be stored and manipulated by the computer.





Nyquist's Law
Nyquist's Law states that the highest recordable frequency is equal to half the sampling rate. The range of the human ear goes up to about 20,000Hz so to record sounds at this frequency would require a sampling rate of 40,000sps – this is about the rate at which sound is recorded for compact discs. 15,000sps is usually quite adequate for home computer use, however, and at this rate the highest recordable frequency would be 7500Hz. Any sound above this frequency would be recorded as noise or "aliasing".

Once in digital form various techniques can be applied to the sound file including echo, flanging, ramping, scaling and resampling. Flanging adds a whooshing sound to instruments and voices. Ramping changes the volume of a sample gradually from beginning to end. Flipping makes the sampled sound play backwards. Scaling changes the volume of an entire sample by a specified amount. Resampling improves the quality of a piece of sound by sampling at a high rate then bumping it down to a lower, less memory intensive speed. This gives a better quality result than would otherwise be possible at a lower sampling rate.



Trackers programs like OctaMED let you create your own compositions using sound samples

clipping. For the best results, start with a signal that is a little too loud and experiment by sampling it, and listening to the results.

If on replay you hear any evidence of clipping, then reduce the volume slightly and try again. Repeat the process until you are convinced that you've recorded the strongest non-clipping signal possible. Some digitisers, incidentally, are fitted with volume controls. Others are not and in these latter cases the signal level will need to be adjusted directly from the audio source.

Collecting sound samples is great fun. It is, however, of little use unless those samples can be saved and re-used and herein lies another part of the sampling story...

The digital copy or image of the sound in memory is called the raw data and many sample editing packages offer facilities for writing this information directly to disk.

Raw files are used mainly by programmers – a games coder for instance might use raw sound sample data and embed the required details of playback rates and the like, within the program using the sound.

As a means of creating portable data files, ie sound sample files that can be used with any number of different sound editing programs or tracker programs, raw sample files are less than ideal. This is because a program reading such raw sample data is not going to know how the waveform should be played back or used.

What is needed therefore is a file format that saves not only the waveform data, but some details about how the sample should be played and this is where the IFF 8SVX file format comes to the rescue.

IFF files store their data items in labelled blocks (called chunks). With 8-bit sound samples the chunks, since they represent 8-bit Sampled Voice data, are known as 8SVX chunks and these will contains the raw waveform data, details about how the sample should be played, plus perhaps other info as well. A simple 8SVX file might, conceptually look something like this:

```
<---------- IFF 8SVX sound file ----------->
<8SVX label> <size> <VHDR header info> <BODY
waveform data>
```

The IFF format allows a number of different waveforms to be stored together, including a one-shot sample which is a waveform that is intended to be played once at some nominal playback rate. The file may also include a repeat part waveform. The idea here is that when samples are played as musical instruments, the programs using them can initially play the one-shot part of the waveform, and then loop around the repeat part of the waveform for as long as the sound needs to be sustained.

Programs which use sampled sounds as instruments achieve different notes in a particular voice by modifying the rate at which they play back the sound sample.

Samples however always sound best, or at least most natural, when they are played back at rates near to their original sampling rate and with large alterations in playback rates the quality of the voice can often deteriorate drastically.

MULTIPLE

The IFF standard helps programs to avoid these sorts of problems by allowing multiple octave sound data to be stored so that in any given situation a program can choose an octave nearest to the note that it wishes to generate. Three and five octave 8SVX file versions are common.

IFF 8SVX is fine as an 8-bit standard but over the last few years a more sophisticated file standard has been created that will become increasingly important as 16-bit sampling becomes more accessible.

It's called Audio IFF and one of the packages which supports this format is Microdeal's Clarity 16. The AVR format, an in-house standard created by Audio Visual Research, is another 16-bit arrangement that you may also read about.

AVR files consist of a small block of header information followed by the sample waveform data. There are incidentally a number of Midi-oriented sound sample file formats also available but these are really only of interest to professional users.

By virtue of the way they are obtained, digitised samples are of necessity both time quantised and limited to discrete steps in amplitude.

The world of mathematics has provided us with something called the Nyquist theorem which essentially says that a continuous time waveform, when sampled at a frequency greater than twice the maximum frequency component in its spectrum, can be reconstructed completely from the sampled waveform.

Now in theory you can use these ideas to predict suitable sampling rates when taking samples of a particular musical note (if for instance you are sampling a sound with a frequency of 15kHz, this theory suggests that you'd need to collect data at a frequency of at least twice this, ie 30kHz to get a good sample).

> *Let your ears be judge and jury and you won't go far wrong*

In practice things are not that simple because musical instruments produce notes which contain other frequencies, called harmonic overtones, which colour the sounds. These harmonics may include frequencies which are at a much higher frequency than the main note.

If the Nyquist relationship tells you anything at all it is that a sampling frequency at least twice as fast as the frequency of the highest frequency component present in the original waveform needs to be used.

Since you'll never know the frequency of the harmonics any chance of making sound predictions (apologies for the pun) of suitable sampling rates go out of the window! The solution of course is to forget any "I can calculate the required frequency" ideas and let your ears tell you whether you have a good sample or not.

Samples can incidentally suffer from a waveform distortion known as aliasing when taken at sampling rates of less than the Nyquist predicted frequency and the Amiga is fitted with an anti-aliasing filter to minimise this effect.

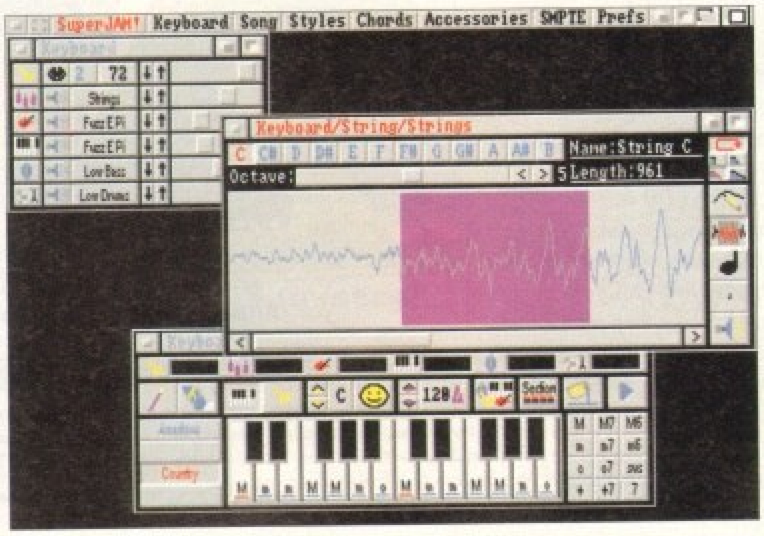
Unfortunately this filter works by cutting the high-frequencies (because they're the ones most affected by aliasing distortion) so samples end up sounding flat (dull). Basically the sound loses its sparkle because it loses those all-important harmonics mentioned earlier!

Some sampling software can employ a playback technique known as oversampling which allows aliasing distortion to be reduced without cutting the high-frequency waveform components.

There is incidentally another source of distortion-based quality loss that is worth mentioning. Some software allows the IFF 8SVX sample data to be compressed to save space.

Fibonacci-delta compression, the technique that is always used, is not really suitable for compressing musical instrument samples – it can, and usually does, introduce distortion that is especially noticeable on samples recorded at low sample rates. Sometimes you can get away with it but as before the only safe solution is to experiment and let your ear be the judge!

Developing an ear for music, being able to recognise a good sample from a bad one, and so on is something that only comes with practice. At the end of the day there is only one rule to apply to the samples you take – if it sounds good... then it is good. And if you let your ears be your judge and jury in this way you'll find that you won't go far wrong.



This highly sophisticated automated composition program from Blue Ribbon Soundworks uses sampled sounds for its instruments

Jargon buster

chip memory The area of memory that is accessible by the Amiga's custom chip set. Sound samples have to be held in chip memory in order to be used.

clipping When a signal is provided that is too loud for the digitiser circuitry to cope with, the top parts of the input signal waveform can be effectively chopped off or clipped. This produces a distortion which, for obvious reasons, is called clipping!

hertz The hertz is the common unit of frequency equivalent to one cycle per second, so 1kHz =1,000 cycles per second.

RAM scanning A facility provided by some sampling software whereby you can hunt around the Amiga's memory and "play" whatever's there. Needless to say nobody ever uses these options for stealing other peoples samples!

tracker programs These are sequencer-type programs that are based on the use of sampled sounds. OctaMED Pro is a typical example and very good it is too.

THE MICRO ADVENTURES OF...

SAM IGA



"...BY THE TIME I REACHED THE SCENE, THE DISCS HAD BEEN 'RUBBED OUT'... THERE WAS ONLY ONE THING TO DO. CALL 'SIREN SOFTWARE' FOR EXTRA BACKUP!"

TELEPHONE
061-724 7572
FAX 061-724 4893



USES LATEST CUSTOM CHIP DESIGN

INCLUDES THE NEW 'CYCLONE' CARTRIDGE FOR BACKING UP PROTECTED SOFTWARE

X BACKUP PRO

X-Backup Pro is the most powerful disc backup utility available for the Amiga, BUT DON'T TAKE OUR WORD FOR IT... *CU Amiga Magazine, July 1993*

"IT'S UNBEATABLE."

'a veritable bargain at just £39.99' *Amiga Computing, September 1993*

'fast, flexible and reliable' *Amiga Computing, September 1993*

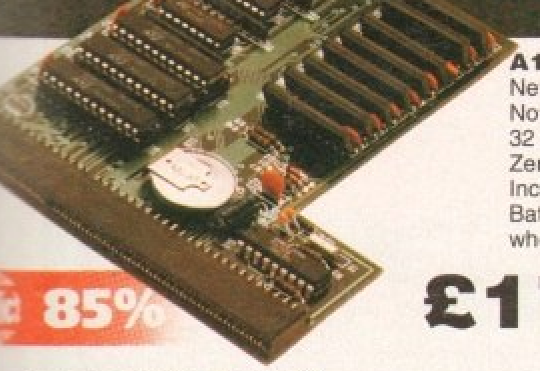
£39.99
+ £1 postage & packing

THIS PRODUCT MUST NOT BE USED TO INFRINGE COPYRIGHT.

Unlike other disc backup utilities, X-BACKUP PRO is totally automatic and extremely simple to use. It is fully compatible with ALL AMIGA computers.

- Will backup virtually any disc onto another disc.
- Full hard disc backup.
- File management facility.
- Optimise, formats, repairs, verifies.
- Includes the 'AUTOSWITCH' CYCLONE cartridge. Simply plugs into the external disc drive socket at the rear of the Amiga, and plug your external disc drive into the back of the CYCLONE cartridge for unbeatable disc backup power. An external disc drive is required for use with the CYCLONE cartridge. These are available from us priced £54.99.

FULL MONEY BACK GUARANTEE.
If you can find a more powerful disc backup utility, we will give you your money back.



85%

A1200 1200 4mb memory expansion with clock
New state of the art surface mount design.
Now includes FPU socket
32 bit wide auto configuring Fastram.
Zero wait state allows the A1200 to run at full speed.
Increase the speed of the computer by 219%
Battery backed clock keeps the correct time and date even when the A1200 is switched off.
Simple trapdoor installation.

£179.99

68881 FPU	£34.99
68882 FPU	£79.99

SPECIAL OFFER

Deluxe disc drives
Whisper quiet. Slimline design. Suits any Amiga. Cooling vents. Sleek, high quality metal casing. Quality Sony/Citizen drive mechanism. On/Off switch and throughport at the rear of the drive. Full 880K capacity. Long reach connection cable.

CYCLONE COMPATIBLE



£54.99

HARD DISC DRIVES

85mb	£174.99
120mb	£214.99
170mb	£259.99
210mb	£339.99
256mb	£299.99

Please phone 061-724 7572 for prices of 20mb, 40mb, 60mb drives

Add £289.99 for A1200 fitted with above drives.
Our 2.5" hard drives for the Amiga A1200/A600 offer speedy access times and come complete with fitting cable, screws and full instructions. They are pre-formatted and have workbench already installed for immediate use. Fully guaranteed for 12 months.
Free fitting service to personal callers



SUPERB VALUE FOR MONEY

Order **NOW** for immediate despatch
Tel. 061 724 7572 Fax 061 724 4893
Telesales open 9am – 6pm Monday-Friday
Access/Visa accepted
Send a cheque/Postal order or credit card details to:-
Siren Software, Wilton House, Bury Rd, Radcliffe, Manchester M26 9UR England
Government, Education and PLC orders welcome.
All prices include VAT at the current rate. Postage and packing will be charged at £3.50 per order (U.K.), £7.50 Europe, £12.50 rest of world.
Please note that 5 working days must be allowed for cheque clearance. Immediate clearance on Building society cheque or Bank Draft.

IMPROVED SOUND QUALITY



Soundblaster
The SOUNDBLASTER is a 10 watt stereo amplifier that comes complete with high quality 3 way speakers, power supply and FREE STEREO HEADPHONES!
The SOUNDBLASTER adds a new dimension to games playing, imagine stunning stereo sound effects, crystal clear samples and terrific stereo tunes. The SOUNDBLASTER also boosts games playability!
The speakers are powerful 50 watt 3 way units featuring a 3" woofer, 2" honker and a 1" tweeter to provide a powerful crisp sound.

£44.99

SIREN SOFTWARE

Wilton House,
Bury Rd,
Radcliffe,
Manchester
M26 9UR
England

WE'VE GOT WHAT YOU NEED

TO ALL OUR CUSTOMERS OLD AND NEW

MERRY CHRISTMAS

AND A HAPPY NEW YEAR

OPEN ALL HOURS

WELL, NEARLY!

9am-10pm Mon-Sat 10am-6pm Sunday

SPECIAL OFFERS!!

2.5" Hard Drives for A600 / A1200

40 MEG	£119
80 MEG	£189
120 MEG	£209
250 MEG	£349

Including lead, fixing screws & instructions

External A1200 Hard Drives

(These do not void your warranty)

210 MEG	£299
340 MEG	£419

A500 / A500+ HARD DRIVES

80 MEG	£199
170 MEG	£269
254 MEG	£299

By the time you read this, Hard Drive prices may have fallen. Please phone for latest prices

PRINTERS & RIBBONS

Star LC20	£133.00
Star LC100 Colour	£159.00
Star LC200 Colour	£194.00
Seikosha SP1900 9 Pin Mono	£109.95
Seikosha SL95 24 Pin Col	£189.95
Star LC24-30 + Auto Sheet Feeder	£229.95
Star LC24-200 Colour	£274.00
LC20/100 mono ribbon	£4.50
LC100 colour ribbon	£6.75
LC24 200 mono ribbon	£5.50
LC24 200 colour ribbon	£13.50
LC200 mono ribbon	£4.50
LC200 colour ribbon	£9.75

LEADS & CABLES

Printer	£3.99
Serial	£3.99
Null Modem	£5.99
Joystick Extender 3 metre	£3.99
Joystick/Mouse Extender	£3.99
Amiga to SCART	£7.99
Amiga to 1084S/8833	£7.99
Analog Joystick Adapter	£4.99
4 Player Adapter	£5.99

LOOK! LOOK! LOOK!

TRACTORFEED DISK LABELS

Now you can print your own professional disk labels! 500 Plain white disk labels on tractor feed, complete with FOUR disks of software and artwork.

Yours for ONLY £9.95

1000 Labels with software ONLY £13.50

AMIGA HARDWARE

A1200 Race and Chase Pack	£269.95
A1200 Desktop Dynamite	£329.95
CD32 + Oscar / Diggers	£289.95
A4000 - 030 2MB Ram 170Mb Hard drive	£999.95
1084 S Monitor	£174.95
Cubscan 1440 Multisync	£399.95
External Amiga Floppy Drive	£49.95
A500 Internal Floppy Drive	£48.95
A500 512K Ram Exp. + Clock	£23.50
A500 1.5 Meg Ram Exp.	£76.95
A500+ 1 Meg Ram Exp.	£33.95
A1200 2 Meg Ram Exp.	£109.95
A500 Power Supply	£29.95

DISKS & LABELS

All disks are supplied with labels. UNBRANDED DISKS are 100% error free.
In the unlikely event that any of our disks are faulty, then we will replace the disks **AND** reimburse your return postage!

3.5" DSDD Grade A	£0.37 each
3.5" DSDD Grade B	£0.29 each
3.5" Rainbow	£0.44 each
3.5" DSHD	£0.58 each
3.5" DSDD Fuji (box of 10)	£4.90
3.5" DSHD Fuji (box of 10)	£8.90
5.25" DSDD Fuji (box of 10)	£2.50
5.25" DSHD Fuji (box of 10)	£4.90
1000 3.5" labels	£6.50
1000 3.5" tractorfeed	£8.50

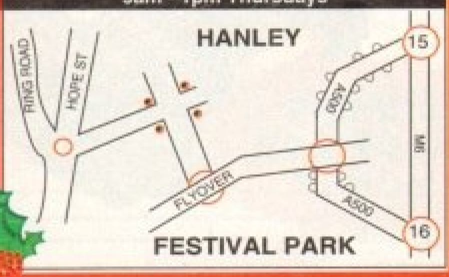
STORAGE BOXES

Most types are available for 3.5" or 5.25" disks.

10 capacity	£0.95
20 capacity	£1.95
40 capacity	£3.49
50 capacity	£3.95
100 capacity	£4.50
80 capacity Banx drawer	£8.49
150 capacity Posso drawer	£15.95
200 capacity drawer	£14.95

VISIT OUR NEW SHOP

9am - 5.30pm Mon- Sat
9am - 1pm Thursdays



MISCELLANEOUS

Mousehouse	£1.80
Mousemat 9mm thick	£2.50
Diskdrive cleaner	£1.80
A500 Dustcover	£3.50
A600 Dustcover	£3.50
A1200 Dustcover	£3.50
Monitor Dustcover	£3.50
LC20 Dustcover	£3.50
LC100 Dustcover	£3.50
LC200 Dustcover	£3.50
LC24-200 Dustcover	£3.50
Roboshift	£13.95
Amiga Lightpen	£29.95
Optical Mouse	£32.00
Manhattan Mouse	£9.99
Megamouse	£11.95
Megamouse II 400 DPI	£12.95
Point Mouse	£12.95
Alfadata Trackball	£26.95
Crystal Trackball	£32.00
Zydek Trackball	£25.95
Zyfi Amp/Speakers	£37.50
Action Replay Mk III	£56.95
Midi Master	£26.00
Tilt/Turn Monitor Stand	£9.95
2-piece Printer Stand	£3.49
Metal Printer Stand	£8.99
A4 Copyholder	£5.99
Metal Angle Poise Copy Holder	£14.95
A500/A600 ROM Sharer	£14.95
V1.3 ROM	£25.95
Microperf Tractorfeed Paper: 500 sheets	£4.50
2000 sheets	£13.00

JOYSTICKS

All joysticks have autofire feature except those marked *.

Trigger Grip Models

Quickshot turbo	£6.95
Python 1M	£7.99
Jetfighter	£12.00
Topstar	£19.50
Intruder	£21.50

Base Fire Button Models

Maverick 1M	£12.95
Megastar	£21.50
Zipstick	£12.95
Comp Pro 5000*	£10.95
Comp Pro Extra	£12.95
Comp Pro Star	£12.95
Cruiser Multicolour*	£9.95
Advanced Gravis Black	£24.99
Advanced Gravis Clear	£27.99
Comp Pro Star MINI	£14.95
Aviator 1 Flightyoke	£23.50

Handheld Models

Speedking	£10.50
Navigator	£13.95
Bug	£12.00

ANALOG JOYSTICKS

These Joysticks will fit any Amiga

Warrior 5	£14.95
Saitek Megagrip 3	£19.50
Speedking Analog	£13.95
Intruder 5	£25.50
Aviator 5 Flightyoke	£27.50

Adaptor to use any PC analog joystick on an Amiga ONLY £4.99

Direct COMPUTER SUPPLIES

0782 206808 - Anytime
0782 642497 - 9.00am-5.30pm Weekdays
0630 653193/0782 320111 - Evenings & Weekends

BUSINESS HOURS

9am to 10pm Mon-Sat, 10am to 6pm Sun

All items and offers subject to availability. E&OE

Postage £3.30 Next Day £3.75

We accept POs, cheques & credit cards

Please write Cheque Card Number on cheque for instant clearance

BUSINESS AND EDUCATION ORDERS WELCOME All Prices Inc VAT

DIRECT COMPUTER SUPPLIES 36 HOPE STREET, HANLEY, STOKE-ON-TRENT ST1 5BS

NODDY'S™ BIG ADVENTURE

Noddy's Big Adventure is the sequel to the highly successful Noddy's Playtime. It takes children to the North West corner of Toyland and includes 13 different programs to educate and entertain children for hours on end.

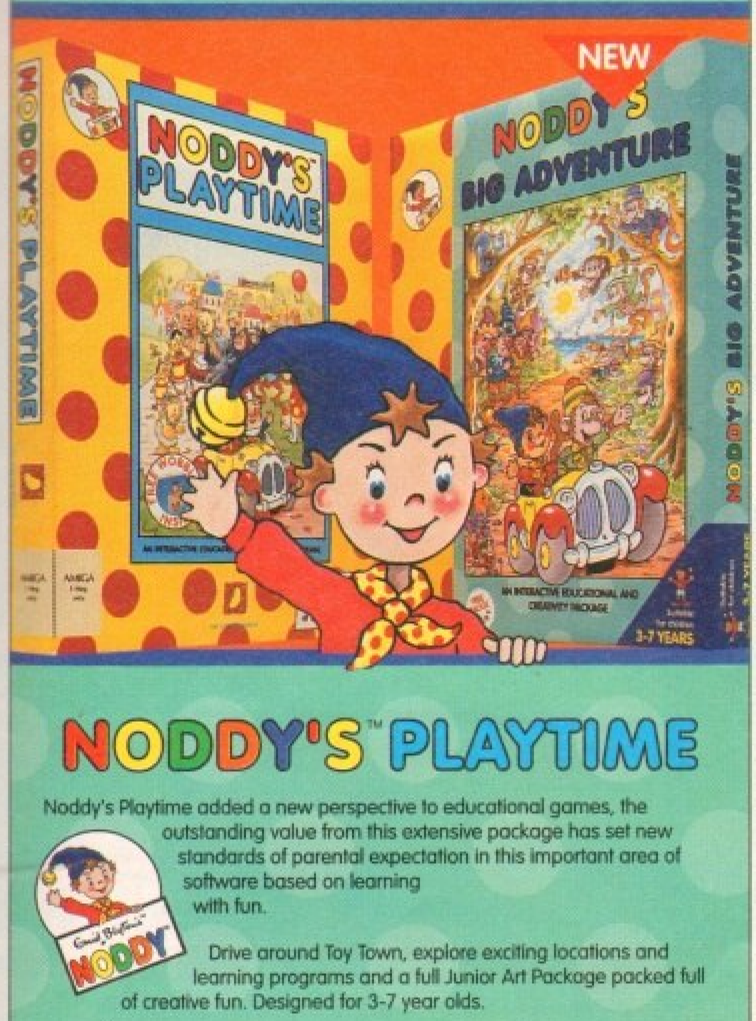
This graded creativity and entertainment package is specifically designed for 3-7 year olds and relates to the early requirements of the National Curriculum.

Drive with Noddy in his car, pick up passengers along the way and visit many exciting locations.

- Kitchen Fun - sequencing, colour and shape matching and vocabulary
- Noddy's Scales - number matching through to addition
- Tricky Trees - memory, sequencing and the language of colour and shape
- Can you Find me? - shape and colour recognition
- Bert's Scrapbook - sequencing and reading skills
- Beach Sorter - sorting
- Picnic Attack - water fun game

Junior Word Processor - this excellent utility develops story telling skills. Its scope is outstanding and features many facilities found in 'grown up' word processors. There is also a word game in each level to create an element of fun.

Available for: Amiga, Acorn Archimedes, PC and PC Windows.



NODDY'S™ PLAYTIME

Noddy's Playtime added a new perspective to educational games, the outstanding value from this extensive package has set new standards of parental expectation in this important area of software based on learning with fun.

Drive around Toy Town, explore exciting locations and learning programs and a full Junior Art Package packed full of creative fun. Designed for 3-7 year olds.

Available for: Amiga, Acorn Archimedes, PC and ST.

PLAYTIME & BIG ADVENTURE TWICE THE LEARNING EXPERIENCE

THE JUMPING BEAN CO.
Leen Gate Lenton Nottingham NG7 2LX
Tel: 0602 792838 Fax: 0602 780963

Available from: Boots, Currys, Dixons, Escom, Future Zone, Game Ltd, John Lewis, John Menzies, PC World, Rymans, Tandy, The Computer Store, Virgin and many specialist outlets.

Original Text and Images © Darrell Waters Ltd 1949/68. Text and Images of BBC Television Series © BBC Enterprises Ltd 1992. Licensed by BBC Enterprises Ltd. NODDY is a trademark of Darrell Waters Ltd and is used under Licence. ENID BLYTON (signature logotype) is a trademark of Darrell Waters Ltd and is used under licence.

increase your hard disk capacity,



no sweat!

DiskExpander is an innovative program for all Amiga users. With this software solution you may double the capacity of your floppy disk or hard disk drives. The installation process takes only a few seconds and afterwards DiskExpander works invisible in the background. The compressions-ratios vary from 30% to 70%.

The easy-to-use graphical user interface guarantees that even the inexperienced user is able to use DiskExpander immediately without any problems. DiskExpander does not only expand the capacity of your hard disk drive, even floppy disks now have a storage space of approximately 1.5 megabytes.

expander *features*

- Can add 50% to your hard drive capacity at a stroke
- Fast compression and decompression
- Flexible and expandable as new compression libraries are developed
- Works with all drives, including SCSI, IDE, Floppies, and even the RAD disk
- Reliable in tests - no data corruption
- Once installed the program is transparent to the user
- Works on any Amiga and any KickStart

disk expander £35

telephone *0234 843388*

Power Computing Ltd
Unit 8 Railton Road
Woburn Road Ind. Estate
Kempston Bedford MK42 7PN

delivery: next day £5.00 2-3 days £2.50 Saturday £10.00
deliveries are subject to stock availability, all prices include VAT, E & OE
World-wide distribution available, excluding Germany

A second floppy disk drive can revolutionise the way you use your Amiga. Phil Morse looks at the wide variety of models on the market

All disk drives are the same. A fact which, at first glance, seems to mak this review rather pointless. But while they all tend to use one of a ver small number of reliable, well tested and trusted actual drive mecha nisms within their cases, the construction quality, software supplied and extra fea tures are all up to the particular manufacturer.

Actually, there are a couple of types of drive, although for the Amiga only on kind is really viable unless you require one for specialist use, and this is the HD floppy drive format. HD stands for high density, which means the disk can hol around 800k of information as opposed to roughly half of that using old (now ou dated) variants.

As well as HD disks, it is also possible to buy DD (double density) variants These can record roughly double that of HD disks, and use much higher quality magnetic coatings on the disks' surfaces to record accurately such a large amoun of information.

We have tested one such model, the Power XL drive. Such drives are great fo

Two's com



Blitz those disks

Blitz is a piece of copying software. Now while people undoubtedly use such software to pirate commercial releases, they also use it to get around commercial blocks in order to back up their expensive software. While understanding the latter, to deny that the former goes on just as much would be stupid.

However, Blitz is available and people are buying it, so what does it do? Well, by putting the disk to be copied from, write-protected, into the Amiga's internal drive, and the disk/s to be copied to in any external drive/s (write-enabled) it simply makes a bit-by-bit copy of the entire disk.

It does not do it "intelligently"; it has no way of knowing if a copy is successful or not, but most of the time they are. Power recommend that you use HD or high density disks – popular in the PC world due to their propensity to hold twice as much data as their DD (double density) contemporaries – because they are made of very high quality magnetic media and so Blitz will be most likely to make an error-free copy onto such a disk.

Blitz can, indeed, also copy PC and ST disks, due to the fact that it doesn't care what it is that it's copying across, and with other options including doing up to three disks at a time (assuming you have enough drives, of course) this is undoubtedly an extremely effective program. It is up to users to use it responsibly – and there's only a fair chance of that, I fear.



The Blitz backup software in use

personal use, but as most Amiga drives are only HD, they'll be no good for giving to your friends. Double density drives can format and support HD disks, though.

The material chosen for and build quality of the case, the facilities provided for virus protection, the decision about whether to power the thing externally or not – all affect the reliability, aesthetic qualities and last but not least, the price of any drive.

The best course to take when considering buying an external floppy (and it is one of the most useful and cheapest peripherals you could ever consider investing in) is to weigh up how much looks and extra features mean to you, and then work out the pricing on those drives you are interested in.

There's very little either functionally or financially to choose between many, so it's simply a case of right features, right price! You have the luxury of knowing that all of the models reviewed here will do the basic job, and do it well. The rest is up to you...

pany



Beating viruses

I could have called them "viri", but then you wouldn't have known what I meant, would you? However you pluralise them, viruses – nasty little computer programs which can do everything from locking up your machine to flashing "amusing" messages at you to reformatting your hard drive – are highly undesirable.

Disk drives which contain anti-virus circuitry allow reading and writing to and from Amiga disks as usual, but will block any attempts to write to the bootblock of any disks in either the external drive or the Amiga's own internal one.

As most viruses work by bootblock corruption, this is an effective aid in the fight against them, although it should not be used instead of a proprietary virus killer – such circuitry can't do anything about already affected disks.

Unfortunately, the so-called "link" viruses are immune to this kind of protection as they work in a completely different way. Link viruses are generally far more serious than their bootblock contemporaries, doing such desirable things as complete disk wipes (hard as well as soft), so it is doubly essential to make sure that you scan all new disks with that up-to-date virus killer.

Power PC883 Dual

Power Computing

This is a novel concept, and one which will appeal to those who want two instead of just one extra drive, but who wish to keep everything nice and tidy. The Power Dual is two fully-featured Power disk drives in one neat metal case.

Each drive is in actual fact a completely independent unit, so you can copy from one to the other, the Amiga recognises them both icon-wise as two separate units, and so on.

Switched on via the switch on its rear, the unit is actually powered by its own mini-transformer mains power supply. This is to reduce any strain on overworked power supplies, and is only to be welcomed. It's a common misconception that power supplies last forever...

The Dual Drive comes complete with Blitz software, too (see box), and can – indeed, must – make two copies of anything you're backing up from the Amiga's internal drive in order to make it work.



It's novel and very neat. While it may never be a best seller, there are many circumstances where two disk drives in one neat box could be a perfect solution, and if it such with you, this is a first rate model.

Power XL

Power Computing

Sharing the same sleek looks as the 880B except for a slightly darker shade of grey used for the front plastic casing of the drive itself, this drive is different in that it can handle high density disks, known as HD disks for short. As mentioned, these allow you to format the special HD disks to hold a maximum capacity of around 1.6Mb – double that of usual DD disks, and so especially useful for those wishing to cram a large amount of data onto a single disk.

Therefore this drive appeals to those using their Amigas for DTP or animation and graphics work, where the disks can hold more pages, frames or pictures than their lower capacity counterparts.

Visually, the only difference on the disks themselves (discounting the HD logo) is a second hole opposite the write-enable/disable slot. This hole is a permanent one, and using it the disk drive senses whether the disk which has just been inserted is HD or DD. Therefore, the Power XL drive is able to read, write and format both types of disk – the best of both worlds.

The drive has four rubber feet which hold it very still, and the usual enable/disable switch and daisy-chaining socket on the back. So if big files or programs are your thing – or if you're putting off getting that hard disk yet wish you could have a second drive stacked with all the things you need to keep swapping disks for – this could be the one for you.



Power PC880B

Power Computing

The Power drive is a long beast, but is nevertheless streamlined and good-looking in its plastic and metal casing. It bears a great resemblance to its cousin, the Power XL high density drive, brought about by being sold in the same casing.

The PC880B has an isolating switch which makes it effectively "disappear" when switched off, allowing compatibility with extra-drive-sensitive software, and also comes with the usual through-port for connecting a second drive to.

Power recommend that you do not connect more than two drives together running off the Amiga's own power supply – although this advice may vary depending upon what machine and so what type of power supply you have, Power's suggestion is a sensible rule of thumb.

One feature which particularly impressed me was the inclusion of an anti-click device which effectively stops the drive clicking periodically – the bane of the Amiga's internal drive.

It's a problem caused by the Amiga continually checking to see if a disk has been inserted in the drive, and one which users have previously got around by either putting a "dummy" disk in the drive (so there is one there and so no need to click) or by using a small PD utility permanently installed and programmed to stop it. Power's solution is both transparent and effective.

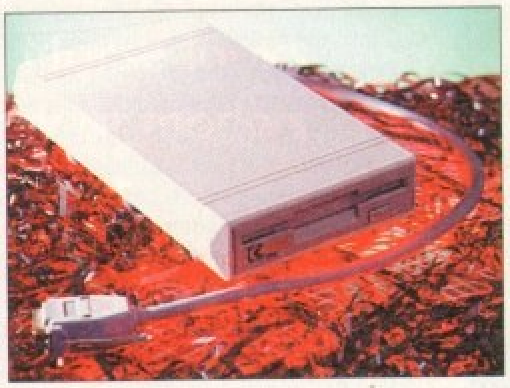
What makes Power's drive stand apart from the crowd, however, is its Blitz software, which is included with the drive in the shape of a floppy disk, and an extra switch on the back of the unit. The function switch can select one of three options. The first is Normal. The second is an anti-virus setting, which is discussed in more detail in the separate box.

The final setting, Blitz, is for use in conjunction with the aforementioned software. See the box-out "Blitz those disks" for more information on this feature.

Cumana CAX354

Cumana Ltd

Definitely the grandad of the Amiga external floppy drive world, the Cumana has been around for many years. Looking rather old fashioned in this day and age – it's slightly bigger and clumsier looking than its competitors, and its noisiness betrays a rather basic design – the Cumana has nevertheless lived a long and popular life which sees no sign of decline.



Maybe people like it because of its reliability. Eschewing flashiness and fashion, the Cumana is one of the most trustworthy drives in the business.

It comes in a two-part moulded plastic case, complete with an extra port on the back for daisy-chaining another drive. It has four small plastic feet, which are not particularly brilliant at holding it still. Indeed, our office Cumana (pictured) has been doctored with six large rubber feet and now looks somewhat like the souped-up Morris Minor of the floppy disk world! But it's testament to the unit's reliability that no-one can remember how long we've had this particular specimen. Devoid of gadgets and extras, this is the drive for you if you're after something tried and tested and through with flying colours.

Roctec RocLite

Gordon Harwood

A very popular drive with the trendy, streamlined mob, and not too surprising either, as the Roctec's sleek metal case certainly conjures up elegant adjectives such as "diminutive" and "understated".

Although its design is compact, it lacks the spilt-coffee-unfriendly top vents of its streamlined contemporary the Zappo drive. On the Zappo model, vents appear to be a design feature designed to keep the drive mechanism cool within such a small case, but the Roctec does not appear to get hot in use without them.

It is equipped with the usual enable/disable switch and socket for daisy-chaining other drives to, although you may have to search for a trendy-looking 23-pin cable to connect them up with or the plug in the back might ruin this vain little number's good looks!

It also has, rather more usefully, an anti-virus facility along the lines of the power drives (see box for an explanation) which is only to be welcomed and perhaps pushed this model a little ahead of the Zappo in the sleek desirability stakes.



Zappo RF332C

Indi Direct/Hobbyte

This is a highly attractive drive, and for those with fashion-conscious Amiga setups, it could be right up your street. Extremely slimline, both in height and length, it comes in as sturdy grey metal casing, which is finished in an attractive speckled pattern, and has the usual 23-pin D-plug for attachment to your Amiga, and a D-socket on the rear for attaching further drive/s.

Possibly the only worrying factor about this attractive design is the use of two cooling vents on the top of the unit towards the rear. While no doubt essential for the cool and proper running of the Zappo, these vents nevertheless are prime target for any stray cups of coffee or small objects in the curious paws of young children...

No doubt the trendy, streamlined design of the drive is the reason these vents are necessary, so if you want small size and looks, just be extra careful with drinks and children.

Finally, the drive has a small on/off toggle switch at the back to deactivate it when its use is interfering with software. Like most of the drives reviewed here, the Zappo has not got a power supply of its own, but if my humble A600's power supply can happily feed it, then I imagine it will be all right on all Amigas.

Addresses

Cumana Ltd, Pines Trading Estate, Broad Street, Guildford GU3 3BH Tel 0483 503121 / fax 0483 451371

Gordon Harwood, New Street, Alfreton, Derbyshire DE5 7BP Tel 0773 836781 / fax 0773 831040

Hobbyte, 10 Market Place, St Albans AL3 5DG Tel 0727 856005

Indi Direct Mail, 1 Ringway Industrial Estate, Eastern Avenue, Lichfield WS13 7SF Tel 0543 419999 / fax 0543 418079

Power Computing, Unit 8 Railton Road, Woburn Road Industrial Estate, Kempston MK42 7PN Tel 0234 843388

	Power supply	Daisy-chain	Enable/disable	HD[1]	DD[2]	Casing	Anti-virus	Cost	Suppliers
Cumana CAX354	No	Yes	Yes	No	Yes	Plastic	No	£49.95	Cumana Limited
Power PC880B	No	Yes	Yes	No	Yes	Metal/plastic	Yes	£60	Power Computing
Power PC883 Dual	Yes[3]	Yes	Yes	No	Yes	Metal	Yes	£125	Power Computing
Power XL	No	Yes	Yes	Yes	Yes	Metal/plastic	Yes	£99.95	Power Computing
Roctec RocLite	No	Yes	Yes	No	Yes	Metal	Yes	£59.95	Gordon Harwood
Zappo drive	No	Yes	Yes	No	Yes	Metal	No	£51.50	Indi Direct Mail/Hobbyte

[1] Handles high density (880k) disks [2] Handles double density (1.76Mb) disks [3] Comes complete with own separate transformer/power lead and plug

Another great offer from a manufacturer you can trust



CAX 354 DISK DRIVE £49.95*

**Price includes VAT and delivery*

- **High quality**
- **Renowned and proven reliability**
- **Styled plastic case**
- **Low power consumption**
- **Throughport facility for addition of further drives**
- **Suits any Amiga**

Order with Confidence

- All Cumana products carry our 30 day money back guarantee
- All products carry our 12 month warranty
- All inclusive price

Cumana reserve the right to increase the price at any time. This offer is subject to availability.

NAME ______________________ ADDRESS ______________________

POSTCODE ______________________ TELEPHONE NO. ______________________

I would like to order .... CAX354 Disk Drive(s) at £49.95 each

Please debit my ACCESS/VISA card (please delete);

Number ______________________ Expiry date of card ____ / ____

Signature ______________________

Cheques should be made payable to Cumana Limited.
Orders may be placed by telephone – 0483 503121, or by fax – 0483 451371, or sent to – Cumana CAX 354 Offer, Pines Trading Estate, Broad Street, Guildford, Surrey GU3 3BH.

VISA

Access

BSI REGISTERED FIRM

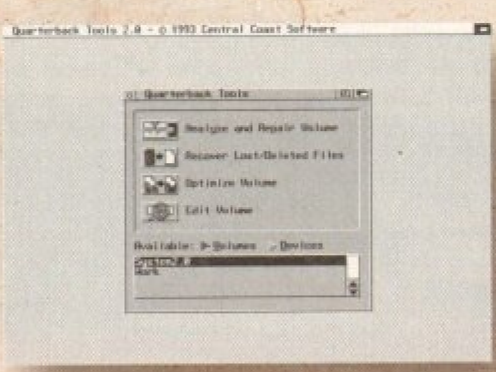
Manufacturers of quality products since 1979

The Next Generation is Here

Quarterback Tools Deluxe

If the things you create with your Amiga are important to you, you need Quarterback Tools Deluxe. With Quarterback Tools Deluxe, you can quickly and easily recover your work should disaster strike.

Advanced Disk Recovery and Optimization

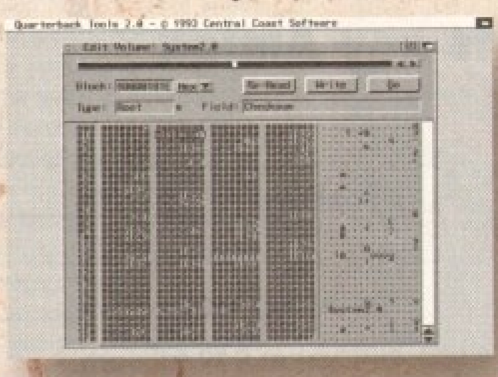


Quarterback Tools Deluxe includes the new Quarterback Tools 2.0, the most powerful data recovery tool available for the Amiga. Quarterback Tools can search for and repair just about any problem your disks may have. But Quarterback Tools goes beyond simple disk repair—with it you can restore files that have been accidentally deleted, find bad blocks on your disks and keep them from being used, and even salvage files from badly damaged disks. Quarterback Tools can also optimize the arrangement of files on your disks, speeding file access tremendously!

This new version of Quarterback Tools not only enhances these capabilities, but adds new features as well. It now includes a disk sector editor, for advanced users. With it you can directly modify the contents of any sector on your disks. There is also full support for new features of AmigaDOS 2.0 and 3.0, as well as extensive AREXX and macro support.

Powerful Disk and File Management

Quarterback Tools Deluxe includes much more then just a new version of Quarterback Tools. Numerous new utilities have been added to make maintaining your system even easier then ever. There's Replicator, a full-featured duplication system. Locator, to quickly locate your files. Encryptor, to secure your files from others. File Eraser and Disk Eraser, to completely eliminate all traces of your files. Keystroke Finder, to show you how to type special characters. System Mover, to make moving fonts and system files a snap. And Brain Cloud, which can protect your disks from accidental use by others.



Tools for Everyone

Quarterback Tools Deluxe is the most advanced disk recovery and file management package available for the Amiga, and the one program no Amiga user can afford to be without!

Call us today to find out how you can get your copy of Quarterback Tools Deluxe.

Quarterback Tools

- Scans disks for a wide range of problems and repairs them automatically.
- Finds bad blocks on a disk and hides them from AmigaDOS.
- Searches for and recovers accidentally deleted files.
- Salvages files from badly damaged disks.
- Defragments files for optimized disk performance.
- Includes an advanced disk sector editor, for direct access to data on disk.
- Full macro and AREXX support.
- Full AmigaDOS 2.0 and 3.0 compatibility, including support for both hard and soft links.

Replicator

- Quickly makes multiple copies of floppy disks.
- Creates disk images and saves as AmigaDOS files.

Locator

- Searches disks for files that partially or fully match specified names.
- Displays location of files, information about files, and file contents.

Encryptor

- Encrypts and decrypts files to prevent unauthorized access.
- File decryption is password protected.

File Eraser

- Completely erases and deletes files to make their contents unrecoverable.
- Uses standard or US Government erasure methods.

Disk Eraser

- Completely erases all traces of just deleted files, or of *all* files on a disk.
- Uses standard or US Government erasure methods.

Keystroke Finder

- Displays keystrokes necessary to generate any character.

System Mover

- Quickly and easily moves fonts, printer drivers, and system files between disks.
- Displays version information for printer drivers and system files.

Brain Cloud

- Makes a floppy disk unaccessible to AmigaDOS.
- Not even the Amiga's "Format" command will work on a disk with a "Brain Cloud"!

General

- Workbench 2.0 style "3-D" user interface.
- Requires Kickstart 1.2 or later (Kickstart 2.0 or later recommended).

CCS

Central Coast Software
A Division of New Horizons Software, Inc.
206 Wild Basin Rd., Suite 109
Austin, Texas 78746

(512) 328-6650

Quarterback Tools Deluxe is a trademark of New Horizons Software, Inc.

BOOKS FOR THE AMIGA FROM DTBS

Amiga A1200 Next Steps	£14.95
Amiga Assembler Insider Guide	£14.95
Amiga BASIC Inside & Out	£19.95
Understanding Imagine 3 (d)	£24.95
Amiga 3D Graphics in BASIC	£16.95
Amiga Intern	£32.95
Mastering Amiga Workbench 2	£19.95
Amiga DOS Inside & Out (d)	£19.95
Best Amiga Tricks & Tips (d)	£24.95
Amiga A600 Insider Guide	£14.95
Amiga A1200 Insider Guide	£14.95
Amiga Desktop Video Power (d)	£24.95
Using Arexx on the Amiga (d)	£29.95
AmigaDOS Reference Guide 4th Ed	£19.95
The AmigaDOS Manual 3rd Edition	£21.95
Kids & The Amiga 2nd Edition	£14.95
Amiga Graphics Inside & Out	£29.95
Amiga Desktop Video 2nd Edition	£18.95
Mastering AmigaDOS 3: Reference	£21.95
Mastering Amiga AMOS	£19.95
Amiga Made Easy	£12.95
Little Red Workbench 1.3 Book	£14.95
Intuition Practical Guide	£16.95
Official Amiga Vision Handbook	£20.95
Amiga Five-O	£9.95
Amiga Gamer's Guide	£14.95
Amiga Microsoft BASIC Prog. Guide	£10.00
AmigaDOS Ref Guide 2nd Ed (WB 1.2)	£5.00
Amiga Hardware Ref. Manual 2nd Ed.	£10.00
Mastering AmigaDOS 3: Tutorial	£21.95
Mastering Amiga Beginners	£19.95
Mastering AmigaDOS 2 Vol 1 (d)	£21.95
Mastering AmigaDOS 2 Vol 2	£19.95
Mastering Amiga C (d)	£19.95
Mastering Amiga Printers (d)	£19.95
Mastering Amiga System(d)	£29.95
Amiga ROM Kernal: Libraries	£34.95
Amiga ROM Kernal: Devices	£25.95
Amiga Hardware Ref. Manual	£25.95
Amiga ROM Kernal:Includes	£34.95
Amiga Interface Style Guide	£19.95
Amiga DOS Dabhand Guide	£14.95
Amiga BASIC Dabhand Guide	£15.95
Get The Most From Amiga 1992 Ed.	£9.95
2 Companion Disks For Above	£4.00
Mastering Amiga Assembler	£24.95
Becoming an Amiga Artist	£16.95
Amiga Real Time 3D Graphics	£14.95
Amiga Game Makers Manual	£16.95
Computers & Chaos Amiga Ed.	£14.95
Little Blue Workbench 2 Book	£14.95
Program Design Techniques	£16.95
Mastering Amiga Arexx	£21.95
Amiga World AmigaDOS 2 Companion	£22.95
AMOS In Action	£12.95
Best Amiga Tips & Secrets	£16.95
Amiga Desktop Video (Compute!)	£10.00
Visionary Programmer's Handbook (d)	£24.95
ROM Kernal Includes 2nd Ed.	£15.00

Prices include postage in the U.K. Add £1 per book in Europe. Airmail outside Europe add 25% Access and Visa cards accepted. Tel/Fax 0706 715 028. Cheques/Postal Orders payable to DTBS. Descriptive catalogue available on request. Books normally available from stock.

SHOWROOM NOW OPEN – 413 Manchester Road, Rochdale Lancashire OL11 3PG. Monday Closed, Tuesday 10am-5pm, Wednesday 10am-1pm and 6pm-9pm, Thursday 2pm-9pm, Friday 10am-1pm, Saturday 10am-1pm (this is subject to staff availability since we often attend shows at weekends). 24 hour answerphone when shop closed. Phone for travel directions and to confirm opening hours. Mail order to:

DTBS (Dept AC1), 18 Norwich Avenue, Rochdale, Lancs OL11 5JZ

AMIVISION SOFTWARE present

FORMULA ONE CHALLENGE v4

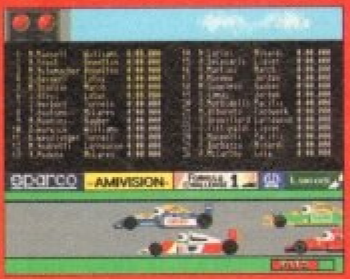
An incredibly addictive and detailed formula one simulation for 1-4 players.

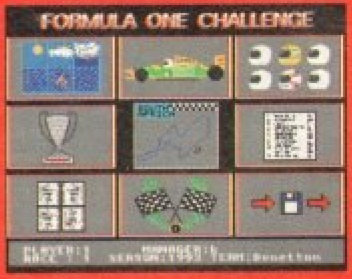
Watch the races as they unfold with three levels of highlights. Crashes, spins, pile ups, car failures, stop/go penalties, weather changes, fastest & record laps, make pitstops. Four independent levels of difficulty. Accurate and detailed graphics of the teams, circuits etc.

15 teams, 2 cars per team, 50 drivers with varying skills, complete engine & tyre contracts. Choose tyre compounds, tune your engines, change wing settings, even train your pit crew!

Qualifying, 16 accurate championship circuits, news section, realistic sound fx, load/save games, weather forecasts, statistics saved, latest FISA rules, sponsors, full drivers and constructors championships and so much more.

Includes latest up to the minute details
Incredibly addictive, produced by true formula one fans.
The most realistic formula one management simulation, guaranteed.





Just £14.95!
includes instruction manual

DEMO DISK £1
A1200 compatible

PLEASE MAKE CHEQUE/POSTAL ORDER PAYABLE TO:- S. RENNOCKS.

Dept. AC, 1 Cherrington Drive, Great Wyrley, Walsall WS6 6NE

EMERALD
CreativeTechnology Ltd

Rapid House,
54 Wandle Bank,
London SW19 1DW
Tel: 081-715 8866
Fax: 081-715 8877

Pen Pal	£29.99
Final Copy 2	£69.99
Final Writer	£99.99
X-Copy Pro latest version	£34.99
Amos Professional	£39.99
Amos Compiler	£29.95
DevPac 3	£59.95
CanDo v2.5	£119.95
PC Task	£39.95
Broadcast Titler 2 Super HiRes AGA	£167.94
Broadcast Titler Accessories Pack	£100.00
Art Department Professional v2.3	£146.95
Doug Cranes Pro Control	£55.95
Cygnus Ed Pro 3.5	£79.95
Morph Plus	£146.95
Sharp JX100 Driver ASDG	£99.95
True Print 24	£55.95
Bars & Pipes Professional v2.0	£199.95
One Stop Music Shop	£499.99
SuperJam v1.1	£79.95
Synch Pro	£151.96
Triple Play Plus	£169.95
Megalosound	£24.99

Bars & Pipes add on kits prices start at £29.99, please call

Epson GT6500 scanner with ASDG driver software	£799.99
Video Back-Up System	£55.95
Bruce Smith A1200 Insider Guide	£13.95
Bruce Smith A600 Insider Guide	£13.95

We stock the full range of Bruce Smith Books

Editmate Video Editing	£194.95
Brilliance	£159.95
Deluxe Music Construction Kit v2	£71.95
Directory Opus 4 – Latest Version	£49.95
Rendale 8802 FMC Genlock	£159.95
Technosound Turbo 2.0	£39.95
S Base Personal 4 Oxii	£99.95
Superbase Professional IV v1.3	£239.95
Art Expressions	£145.00
Typesmith v2	£99.95
Pagestream 2.22 (unboxed)	£69.95
Distant Suns v4.2	£49.95
Vista Pro 3.0	£59.95
Makepath for Vista	£24.95
Terraform for Vista	£24.95
Caligari 24	£99.95
Caligari Broadcast v3.1	£383.00
Montage 24	£277.00
Turbo Print Professional	£39.95

Carriage charges: Orders under £50 – £2
£51-£100 – £3. Over £100 – £4.50

Call our credit card hotline for immediate despatch.

Orders by post: Please make your cheques payable to 'Emerald Creative Technology Ltd' and allow 7 days for clearance.

Goods are sold subject to our standard terms and conditions of sale and are available on request.

Specifications and prices are subject to change without notice.

All prices include VAT.

Credit Cards not debited until goods are shipped

... 32-bit Acorn home computers ...... Commodore Amiga ...... IBM PC /compatibles ...

TEN OUT OF TEN EDUCATIONAL SYSTEMS

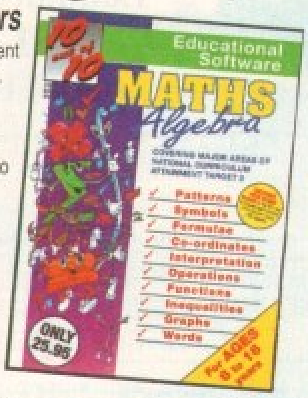
SPECIAL XMAS OFFER

Buy any two titles and SAVE £15!

Maths (Algebra)

For children 6 to 16 years

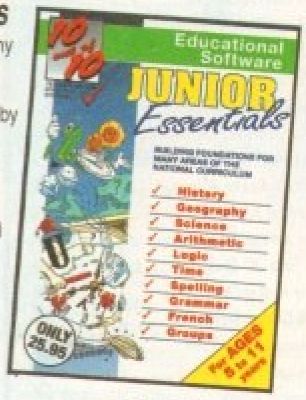
Covering many areas from Attainment Target 3 of the National Curriculum, the *10 out of 10* Maths (Algebra) package is packed with subjects, levels and activities to challenge all children from Key Stage 1 right up to Key Stage 4.
Following sequences, interpreting graphs, solving equations and numerous other algebraic skills have never before been so much fun. This is the fun way to practise and become fast and proficient with the manipulations needed for high examination marks.



Junior Essentials¤

For children 5 to 11 years

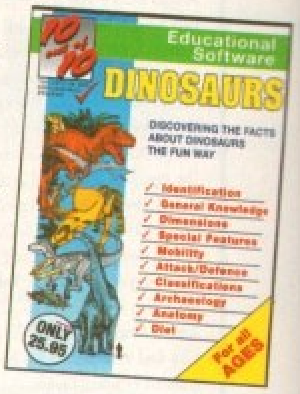
A truly flexible package covering many topics essential for building a good educational foundation. The areas covered have been carefully chosen by a team of experts and come from several subjects and levels of the National Curriculum.
The child's progress in these areas is constantly monitored and recorded and parents or teachers can easily discover where a child needs help. As with all the *10 out of 10* series, further motivation to play the games and learn more is added in the form of High Score Tables.



Dinosaurs

For all ages

This package is the fun way to learn the truth about dinosaurs. The six games all have superb digitised graphics to make a whole area of history – dinosaurs – come alive.
If you came face to face with a tyrannosaurus would you run away? Or are you safe because it's a vegetarian and wouldn't eat you? This, together with 100s of other interesting facts, can be discovered from this enthralling package.
The six games – all with single and multi-player options – are educational fun for everyone.



Maths (Number)

For children 6 to 16 years

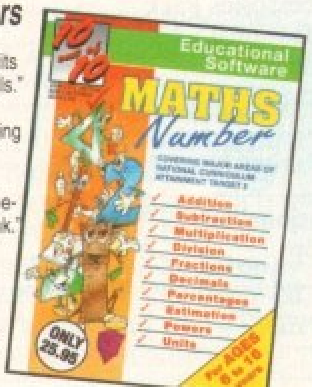
"Well thought out to offer real benefits to children studying in British schools."
– *PC Plus (July '93)*

"Educationally worthwhile and exciting to play – a rare combination."
– *Archimedes World (December '92).*

"Unique in home-based programs because of the National Curriculum link."
– *The Micro User (September '92)*

"Excellent for reinforcing specific mathematics knowledge."
– *Junior Education (July '93)*

"The 10 out of 10 Series lives up to its name." – *PC Home (August '93)*

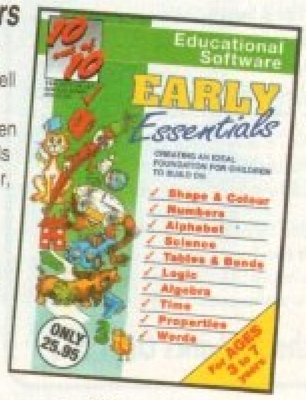


Early Essentials

For children under 7 years

"Outstanding. All of the activities are not only very enjoyable but they're well thought through. It's one of the best multi-purpose infant packages I've seen in a long while. If you have young kids get it for the home. If you're a teacher, hammer on the headteacher's door and beg for money to buy a copy."
– *Archimedes World (July '93)*

"At just £2595 you'll be hard pressed to find anything which even comes close to Early Essentials."
– *Micro Computer Mart (Sept. '93)*



English

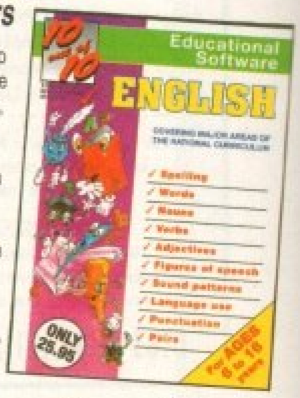
For children 6 to 16 years

"Everything being done is relevant to the player's education. An invaluable curriculum experience, plenty of fun, lots of variety."
– *PC Home (November '93)*

"Guaranteed to sustain the attention of even reluctant learners."
– *RISC User (January/February '93)*

"Most importantly, as the games are fun, children can't help but learn."
– *Acorn Computing (March '93)*

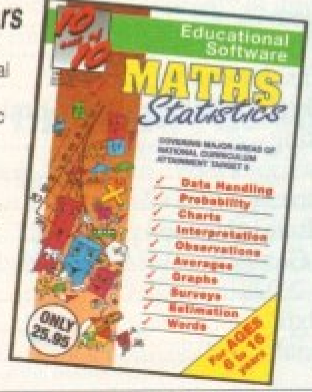
"Allows progression from Junior school age right up to GCSE level."
– *Amiga User International (Sept. '93)*



Maths (Statistics)¤

For children 6 to 16 years

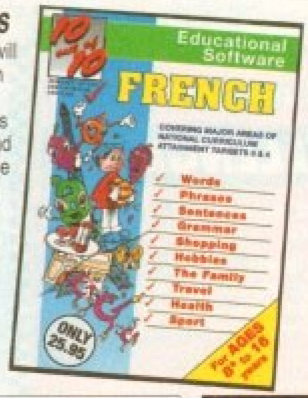
Attainment Target 5 of the National Curriculum is Data Handling – a vital area of Mathematics. *10 out of 10* Maths (Statistics) covers 36 specific topics from that subject.
In this package, recording animal sightings in an animated pond or rolling dice are just two of the many challenges that children will relish as they learn about statistics. And can graph drawing be a game? It becomes arcade action as bricks and bombs are dropped onto the charts. This is a really enjoyable way to learn about statistics.



French¤

For children 6 to 16 years

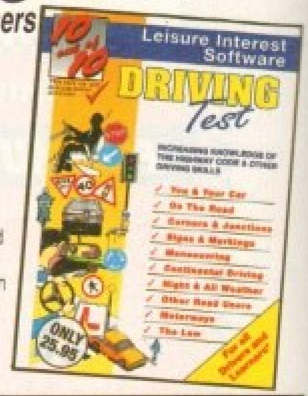
This suite of six educational games will give fun and motivation to all children learning French. The package is designed with the Modern Languages National Curriculum firmly in mind and contains many challenges to reinforce facts stated in Attainment Targets 3 and 4.
10 out of 10 French is essential for children on Key stages 3 and 4, but the numerous parent and teacher customisation options make the software suitable for all children – however young – who are learning the French language.



Driving Test¤

For all drivers and learners

Whether you're a novice learner or an advanced expert, there's plenty you can learn from this package.
There are thousands of built-in questions and you can choose whether you want to answer them directly or add to the fun by trying them within games.
The six games have been designed to be fun for all adults and include strategy, mental agility, coordination and more. And, if you think you are up to it, you can "*take the test*" – a challenge covering many areas of the Driving Test.



The INNOVATIVE *10 out of 10* Series

These highly acclaimed suites of programs are a revolutionary step forward in educational software. They ALL use a unique system of automatically recording children's progress as they play and learn. This is just one of the many features which sets the 10 out of 10 Series in a class of its own.

Each package contains **SIX** expertly designed educational games **covering TEN essential areas** of a child's education. All packages cover a **wide age range** and subjects are available for all children from three to sixteen years of age.
As children learn from the games their progress is **automatically recorded in 36 specific challenges** – the National Curriculum Attainment Targets of these areas are optionally displayed on screen in subject-based packages. All the programs are **designed in Britain** to be **fun for single players or groups** and the assessment system can monitor the progress of up to 4000 children with **no input from parent or teacher** needed. Watch them, join in the fun or leave them and return later to check their progress. **You're in control!**

Already used in over 6000 schools

Phone 0742 780370 or 769950 to order

Xmas offer: *BUY TWO and SAVE £15*

The 10 out of 10 Series is available for Acorn 32-bit computers (Archimedes), Commodore Amiga and IBM/PC and compatibles. If you buy any two items before Xmas 1993, £15 will be deducted from the total price. At the time of going to press, titles marked ¤ were not available on all formats and may not be released before Xmas. They may however be ordered at the offer price. Please ring for availability.

FREE TRIAL AVAILABLE

We are so confident you'll like *10 out of 10* software that we'll let you try it FREE. Ask for a free trial* and we will not bank any payment until you've had chance to test the programs yourself.

You can **EARN MONEY** by recommending *10 out of 10* – over £5 for every order you generate. Ring 0742 780370 and ask about the *10 out of 10* Agency scheme now!

HOW TO ORDER ...

Each package is ONLY £25.95 and you can order by CREDIT CARD, CHEQUE or EDUCATION AUTHORITY ORDER. If you order two titles, deduct £15 from the total. If you ask for a free trial we will send you the software without processing the payment. If you do not wish to keep the package simply return it to us within 14 days and we will return your ORIGINAL cheque or order or not process your credit card for payment.*

SAVE £15 IF YOU BUY TWO TITLES!

Order by Post or Phone from:

***10 out of 10* Educational Systems**
1 Percy Street, Sheffield, S3 8AU
0742 780370 / 769950

VISA Access

Site and Network Licences are available – please ring for details.
* The free trial may not be used in conjunction with any other offer.

The *10 out of 10* Series is available from all good computer software suppliers

Promises, promises!

Ezra Surf's Postbag

ESP

Star Letter

I'm fairly new to the Amiga, but having worked in the PC retailing business for a while I know a couple of people in the industry and so can usually pick up a lot of gossip about other machines. Specifically, I've been hearing a couple of worrying things about Commodore.

Is it true that they won't be releasing the A1200 CD-ROM drive this side of Christmas? A friend assures me that though Commodore promised it would be available, it now won't be appearing until Commodore can get the price right.

Is it also true that virtually none of the games houses will be living up to the promises they made when the CD32 was launched? In other words, I hear that few of them will be releasing A1200-specific games this year, never mind CD32 games.

Now my main point. Why make a promise when you have no chance or no intention of keeping it? All this sort of hype and lying in the computer industry serves only to confuse and annoy the customers, and as someone who's spent three years dealing with computer buyers I can tell you that when confused and annoyed by a product they just drop it and run.

If the games industry and Commodore themselves carry on being overly optimistic, they'll do more damage than if they had just said "not for a while yet" when asked to name a release date.

Peter Cowdry, Middlesborough

I'm not sure where you're hearing your rumours, but they are at least partly true. Most software companies who announced products at the time of the CD32 launch are missing the launch dates they set themselves and Commodore still haven't confirmed the launch of the CD add-on drive.

Don't despair, though, as software houses continually miss their deadlines and expected release dates, and Commodore are holding back all other projects to concentrate on making and selling the A4000, A1200, and CD32 over Christmas. The fact that a few games are late shouldn't be too alarming.

You are right to be irritated by over-optimism, and companies have certainly been guilty of this in the past, but remember that a lot can come down to the expectations of the industry itself, the press, and the public.

If we all expect and demand that so many games are released on the CD32 before Christmas, Commodore and the games houses will endeavour to give them to us.

If this means they strain the boundaries of what can realistically be expected, are they lying or telling us what we want and demand to hear?

Impossible upgrade

Will there ever be an upgrade kit for the A500 to make it into an A1200? There was the ECS chip set upgrade and Kickstart 2.04 chip to make it into an A500 Plus, so why not another jump up the ladder?

I don't want to get rid of my beloved A500 if I can avoid it, as I have too many peripherals which use the DMA slot. These would be useless on the A1200 unless someone was to produce an adaptor. Any chance of this?

Colin McGrain, Aberdeen

I'm afraid there's no chance of an A500 to A1200 conversion kit as it would probably cost more than a new A1200. Your idea for a converter to enable the A1200 to use A500 DMA slot peripherals is an interesting one, though.

This should be possible, but no third-party manufacturer has as yet announced plans for this sort of add-on, so we'll just have to wait and see.

There must surely be a market for an A1200 DMA slot, as the number of upgrading A500 owners in a similar predicament to yours must be substantial.

Wrong balance?

I've been reading your magazine for years now, but I'm not sure how much longer I'll bother. The standard of the magazine hasn't fallen, but the content has.

You used to cover a good mixture of topics every month, including general interest articles and just about every conceivable aspect of the Amiga was covered in some review or other.

These days there are fewer articles and you seem to concentrate on graphics and video to the exclusion of all else. Please address this imbalance before I am forced to stop buying a magazine I have always loved.

James Pitt, Wellington, New Zealand

Your concern has been noted and we acknowledge there have been fewer general interest articles of late, but you may have noticed the balance already changing.

We have continued to offer at least one round-up and one survival guide to an area of Amiga technology every month, and in future we will be putting more emphasis on the "How 2" type of article, such as last month's "How 2 fit an A1200 hard drive".

General interest features are back on the agenda, as you'll have noticed from our pieces on the Zoom Theatre Company, hackers, and virtual reality, but you can't criticise our reviews of graphics and video products as these are by far the biggest part of the new peripherals market.

If the majority of new peripherals were samplers and other Midi equipment, we'd be reviewing these, and no doubt attracting flak

➤

Cream crackered Amiga

I hate cream crackers, I really do. Apart from the fact that they always fall apart when you try to butter them and they stick to the roof of your mouth, their butter-smeared flakes are a hell of a job to clean off floppy disks.

I hate four year-old sprogs playing with my disks even more. "OK son, just leave my disks alone or you'll break them. Where's the rest of your cream cracker, the bit you haven't spread all over my disks?"

The next day I found the soggy cracker when I tried to load a game into my Amiga. Yep, you could say the disk drive was literally cream crackered.

The guilty party was confronted with the evidence. "But son, why did you do it?" I asked. "Well," came the reply, "it's the same shape and it did fit." Huh! Anything fits if it's covered in butter, I muttered.

Mother acts for the defence: "Well if you won't let your kids play with real disks, what else can they play on the Amiga with?" Good grief!

I really do hate cream crackers.

Steve Clarke, Kempston

You have to look on the bright side when this sort of thing happens. I mean, it could have been a chocolate digestive.

Seriously, though, try cleaning the drive thoroughly and see if it isn't still working. Cream crackers are messy, but not particularly metallic, and the drive mechanism may not have been damaged.

There's a good chance the heads have been badly affected, but you can always try before spending money on a replacement drive.

Ezra Surf's Postbag

ESP

Accounts quest

I am writing in the hope that you or your readers may be able to assist me. Before a three year stint in New Zealand in 1990, I purchased the program Personal Accounts Plus by Equinox Business Systems Ltd from a local computer store, but having now returned to the UK I find that I've lost the manual.

I have made enquiries at the store where I bought the program only to find that the company went bust in 1991 and they have no idea where I could obtain a copy of the manual. Can you help?

C P Brown, Orpington

I haven't been able to locate a company still selling the package you mention, but I'm sure one of our readers must have a copy or know someone who does, and they may be willing to part with the manual at a suitable second hand price.

Try our classified ads section, or alternatively watch these pages in case on of our readers can help you out.

Indie sinks on HD

Our family bought an A1200 for Christmas last year and we've been reasonably happy with it. The first game we bought, Indiana Jones and the Fate of Atlantis, was a brute to play on a single floppy drive machine, and I promised my ten-year-old a revelation when we fitted a hard drive this week.

Revelation right enough – the bloody thing won't run on a 120Mb hard drive. According to the man at US Gold there have been a lot of problems with larger drives, which apparently spin too fast for Indie. He admitted the game hadn't been tested for the A1200 before it was released and it was too late to do anything about it now.

OK, that's fair enough as far as it goes. You can't expect total compatibility in the surge for better technology, but I do feel it's grossly unfair that in the ten months I've owned Indie not one magazine, retailer, software house, or individual has made it known that a £250 hard drive and a £38 game are incompatible.

US Gold admit they've had a number of calls from people like me, so why has this been kept such a big secret? Like your reader Nigel Spence (ESP, June), I shan't be buying any more high-priced games that don't run on the A1200.

Bill Mackintosh, Glasgow

The reason we didn't make it known was that we didn't know of the problem ourselves. Our review of Indie was carried out on an A1200 with 80Mb hard drive, so we had no problems with hard drive use and assumed this would be the same no matter what size the drive was.

US Gold should not be making excuses for their game, because the A1200 hard drive interface is the same as the A600's, and this was most certainly available during testing. It was also their responsibility to tell the magazines or, better still, the public by making known any problems with particular machine configurations.

from those who don't like Midi stuff. Sorry, but in our reviews section we can only cover the peripherals the market sees fit to release.

Having said that, we hope you continue to find enough in Amiga Computing to carry on reading it.

Got something to say through the pages of AC? Ezra Surf is our mailman, dedicated to reading your letters and selecting the most interesting for publication. Drop him a line at:

Ezra Surf's Postbag , Amiga Computing Adlington Park, Macclesfield SK10 4NP

Please don't enclose saes as Ezra just hasn't got enough paper to reply personally. He might also have to shorten your letters, so don't be offended if you end up getting the chop.

Warranty woes

Having just been reading issue 66 and noticed that ICL have been given the warranty contract for new machines, why can't existing owners have their warranties covered by them as well? Wang are still delaying repairs.

Three weeks ago my A1200 stopped working and was totally dead. On phoning the number on my warranty I was told that Wang would be in touch and fix it in six days. Many phone calls later I'm still waiting, having been told they're waiting for spares.

They said there was a new power pack and they were having difficulties getting one. Why is it I can buy one in the many adverts in your magazine and get it delivered the following day and yet Wang cannot?

I thought Commodore were improving their after sales service, but apparently not. If current Amiga owners cannot get the service they deserve, how do Commodore really expect to improve their market standing?

I owned an Amiga 500 for four years completely trouble free, but my A1200 is under three months old. Have they tested the so-called new technology or has quality control gone the same way as after sales service?

B Howarth, Southport

The new technology in the A1200 is all silicon, and to be fair to Commodore's chip designers, we've never seen the AGA chip set fail. However, the secondary technology has produced a few villains, chief among which are the TV modulator, the power pack, and the floppy disk drive.

In the main, problems have usually been caused by the fact that cheaper components were used to cut costs, but there were also some early problems of the sort associated with any brand new production unit. There's no excuse for a PSU popping its clogs, and if this is the cause of your machine's malaise, I suggest you phone Commodore UK on 0628 770088 and complain.

Wang have a contract with Commodore which specifies a response time, so it's in Commodore's interest to keep tabs on whether Wang are keeping their side of the bargain.

If you get no joy from Commodore, phone Wang again, and this time make it clear you have a complaint to make. Don't let them fob you off – make sure you get the name of the person in charge of customer services or the equivalent.

Often the problem with British consumers is that they don't complain properly. If the person at the end of the phone isn't helping you, don't waste time arguing with them, just get their name and demand to speak to the boss. Don't be put off with a vague promise, but insist on the service to which you are entitled and for which you have paid.

Road requests

After watching the Le Mans 24 hour race this year I just had to ask you the following three questions:

1. When Core Design released Jaguar XJ220 they stated that they were doing a 3D version concentrating on the Le Mans 24-hour race. Are they still making this?

2. Are the Papyrus Design Group still making a follow-up to the highly underrated Indianapolis 500? I prefer this to Microprose's Formula 1 GP, but only just.

3. Is Geoff Crammond going to do a sequel to Formula 1 GP? If so, I hope it will be harder as the original was too easy.

I would really appreciate answers to the above as I am a huge fan of 3D racing games/sims.

Jim Barnes, Southampton

Your questions were passed to the Gamer crew who, after a short conference, returned the following answers: No, no, and yes. In other words, forget about the 3D Le Mans game and the follow up to the excellent Indie 500, but look out for an improved version of F1GP.

In the meantime, Europress Software's RAC Rally game is shaping up nicely, though it remains to be seen how well they manage the Amiga version.

A4000 corner?

I've recently bought an A4000/030 and to be frank I'm delighted with it. The extra power of the CPU, the graphics, and the superb Workbench 3.0 just blow my old A500 Plus out of the water.

One thing I have noticed, though, is that the A4000 doesn't get nearly as much coverage as the A1200 and there seem to be far fewer round-ups of products for the big brother machine.

Is there any possibility that you might start a column for the A4000 or at least have a certain number of pages devoted to it every month?

Charles Taunton, Bridlington

Yes, there are fewer pages devoted to the A4000 than the A1200 in most magazines, but there is a very good reason for this. There are far fewer A4000-specific products around, a situation which restricts coverage for the machine, but which is rapidly changing.

As more A4000 peripherals come onto the market, they will be reviewed in this magazine, so keep reading. You should already have noticed the number of AGA software packages tested recently, so there is no shortage on the software front.

As we go to print, a host of A4000 SCSI-II cards and other hardware is poised for launch, so the drought won't last long.

Relegating the A4000 to a column of its own would probably only serve to marginalise its coverage, so we will continue to look for A4000 products and review them as and when they are released.

AMIGA NEW! AMIGA 1200 PACKS AMIGA CD32 CONSOLE

FROM SILICA - THE UK's No1 AMIGA SPECIALISTS

FREE! FROM SILICA

From December 1st 1993, when you buy your Amiga from Silica, at our advertised prices, we will give you one or more FREE GIFTS. The gifts include the new Chaos Pack, GFA Basic and Photon Paint II a total value of over £265. Check the panels on this ad to see which gifts come with each Amiga from Silica. CHAOS is the software pack of the year and is an Amiga Format Gold winner. It includes Chaos Engine, Nick Faldo's Championship Golf, Syndicate and Pinball Fantasies. ALL FOUR titles have been rated over 90% and won the coveted AMIGA FORMAT GOLD AWARD!

CHAOS ENGINE	£25.99
SYNDICATE	£34.99
PINBALL FANTASIES	£29.99
NICK FALDO'S CHAMPIONSHIP GOLF	£34.99
CHAOS PACK:	£125.96
GFA BASIC v3.5 - Powerful Basic Programming Language	£50.00
PHOTON PAINT II - Powerful Graphics Painting Package	£89.95
TOTAL VALUE:	£265.91

WORTH OVER £265

AMIGA 600 LEMMINGS PACK

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

PACK INCLUDES:
- 1Mb AMIGA 600 £199.99
- BUILT-IN 1Mb DRIVE -
- BUILT-IN TV MODULATOR -
- DELUXE PAINT III £79.99
- LEMMINGS £25.99

FREE FROM SILICA (See Top Left) £125.96

TOTAL PACK VALUE: £431.93
LESS PACK SAVING: £242.93
SILICA PRICE: £189.00

1Mb RAM £189 INC VAT - AMC 0666
2Mb RAM £219 INC VAT - AMC 0666 + RAM 0565

AMIGA 600 WILD, WEIRD & WICKED

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

PACK INCLUDES:
- 1Mb AMIGA 600 £199.99
- BUILT-IN 1Mb DRIVE & TV MODULATOR -
- DELUXE PAINT III £79.99
- MICROPROSE GRAND PRIX £34.99
- SILLY PUTTY £25.99
- PUSH OVER £25.99

FREE FROM SILICA (See Top Left) £125.96

TOTAL PACK VALUE: £492.91
LESS PACK SAVING: £293.91
SILICA PRICE: £199.00

1Mb RAM £199 INC VAT - AMC 0649
2Mb RAM £229 INC VAT - AMC 0649 + RAM 0565

AMIGA 600HD EPIC + HARD DRIVE

PLUS! GFA & PHOTON

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

PACK INCLUDES:
- 1Mb AMIGA 600 £199.99
- BUILT-IN 1Mb DRIVE & TV MODULATOR -
- 64Mb HARD DISK £179.00
- EPIC - A SCI-FI ADVENTURE £29.99
- ROME - ROLE PLAYING ADVENTURE £25.99
- MYTH - STOP THE SPREAD OF EVIL £19.99
- TRIVIAL PURSUIT - POPULAR QUIZ £29.99

FREE FROM SILICA (See Top Left) £265.91

PACK VALUE: £750.86
PACK SAVING: £401.86
SILICA PRICE: £349.00

1Mb RAM 64Mb HD £349 INC VAT - AMC 0964
1Mb RAM 85Mb HD £399 INC VAT - AMC 0985

AMIGA CD32 CONSOLE

32-BIT CD-ROM

NEW! INCLUDES OSCAR & DIGGERS CD TITLES

PLUS! LEMMINGS CD FREE FROM SILICA

FREE DELIVERY

TECHNICALLY SUPERIOR

AMIGA v SEGA	CD32	MEGA CD
Central Processor	68020EC	68000
Power	32-bit	16-bit
Speed	14MHz	12.5MHz
Standard RAM	2048K	128K
Colour Palette	16.8 million	512
Max Colours On-Screen	256,000	64
Full-Screen Video CD	Optional	No
Dual-Speed CD Drive	Yes	No
4 Voice Stereo Sound	Yes	Yes
Multi-Session	Yes	No
S-VHS Output	Yes	No
Maximum Resolution	840 x 640	300 x 200
CD Titles From	£19.95	£39.99
Price	£289	£379*

*The Mega CD (£269) will only work when plugged into the Mega Drive (£129), therefore the price shown is the total combined price of both models. The Amiga CD32, however, is a standalone system which works without additional units.

- 32-BIT POWER: The world's first CD-ROM console to use 32-bit technology, 4 x faster than a 68000 CPU
- CD QUALITY STEREO SOUND
- 16.8 MILLION COLOUR PALETTE
- 256K MAX COLOURS ON-SCREEN
- GAMES FROM BELOW £20
- PLUGS INTO A TV OR MONITOR
- PLAYS MUSIC CDs
- DUAL SPEED: Transfers data almost twice as fast as ordinary CD-ROM drives
- MULTI-SESSION: Recognises ALL data on CDs, even if the information was added after initial pressing
- FULL SCREEN VIDEO-CD 11/93: Via an optional extra module which allows you to watch films on the CD32 - compatible with the latest Video-CD standard, endorsed by JVC, Matsushita, Philips and Sony
- 2Mb RAM
- 11 BUTTON CONTROL PAD
- 2 FREE CD TITLES
  - OSCAR • DIGGERS

PLUS FREE FROM SILICA LEMMINGS CD WORTH £9.99

- COMPATIBLE WITH 26 CDTV TITLES

OVER 45 TITLES EXPECTED BEFORE CHRISTMAS '93

Amiga CD32 + 3 FREE CD TITLES £289 INC VAT - CCD 3200

AMIGA 1200 PACKS + HARD DRIVE OPTIONS

RACE 'N' CHASE / DESKTOP DYNAMITE

PLUS! GFA BASIC NEW!

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

RACE 'N' CHASE PACK INCLUDES: 2Mb Amiga 1200, Trolls AGA, Nigel Mansell's World Championship AGA, + FREE FROM SILICA (See Top Left)

DESKTOP DYNAMITE PACK INCLUDES: 2Mb Amiga 1200, Dennis, Oscar, Deluxe Paint IV AGA, Wordworth V2, Wordworth Print Manager, + FREE FROM SILICA (See Top Left)

RAM	HD	RACE 'N' CHASE	RAM	HD	DESKTOP DYNAMITE
2Mb	0Mb	£299	2Mb	0Mb	£349
2Mb	64Mb	£449	2Mb	64Mb	£499
2Mb	85Mb	£499	2Mb	85Mb	£549
2Mb	127Mb	£529	2Mb	127Mb	£579
2Mb	209Mb	£599	2Mb	209Mb	£649

AMIGA 1200 SPECIFICATIONS
- 68020EC Processor - 14.19MHz Clock Speed
- 32-bit Architecture/Dev Chip RAM
- Amiga DOS v3.0/Built-in TV Modulator
- AA Chip Set/16.8 Million Colours
- 1 x 3.5" 880K Drive
- PCMCIA Smart Card Slot
- 96 Key Keyboard with Numeric Keypad
- 2½" Internal IDE Hard Drive Options
- 1 Year On-site Warranty

HARD DRIVE OPTIONS
- Approved 2.5" Hard Drives
- Fitted correctly below metal safety shield - does not invalidate warranty
- Covered by Commodore's Official 1 Year On-Site Warranty
- Look for Special 'Official Upgrade' sticker

AMIGA 1500 HOME ACCOUNTS

FREE PC BRIDGE BOARD WORTH £100

SAVE £300!

PLUS! GFA & PHOTON — FULLY EXPANDABLE

FREE DELIVERY

1 YEAR RETURN TO SILICA WARRANTY

PACK INCLUDES:
- 1Mb AMIGA 1500 £699.99
- 2 x 3½" BUILT-IN 1Mb FLOPPY DRIVES -
- EXPANSION SLOTS -
- PC COMPATIBILITY -
- VIDEO SLOT -
- PC-XT BRIDGEBOARD SUPPLIED £100.00
- PLATINUM WORKS SOFTWARE £169.95
- PUZZNIC £24.99
- TOKI £24.99
- ELF £24.99
- HOME ACCOUNTS £29.99
- DELUXE PAINT III £79.99

FREE FROM SILICA (See Top Left) £265.91

TOTAL PACK VALUE: £1420.80
LESS PACK SAVING: £1021.80
SILICA PRICE: £399.00

1Mb RAM RRP £899.99 £399 INC VAT - AMB 1500

AMIGA 4000 SPECIFICATIONS

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

MIPS RATING - Million Instructions Per Second: A500 0.87, A1200 1.42, A4000-030 8.0, A4000-040 18.7

The A4000 runs at up to 21 times the speed of the A500.

GRAPHICS:
- 16.7 MILLION COLOURS
- RESOLUTIONS UP TO 1280x512 and 800x600

OPEN ARCHITECTURE: The A4000 has been designed for maximum flexibility providing plenty of room for memory & peripheral expansion.
- 4x16/32-BIT ZORRO III SLOTS
- 3xPC-AT SLOTS
- 1x24-bit VIDEO SLOT

POWER:
- 1.76Mb 3½" FLOPPY DRIVE

NEW! AA CHIPSET

AMIGA 4000 CONFIGURATIONS

The Amiga 4000 '030' and '040' are available in several RAM/Hard Drive options from Silica (please see below). All are fully configured and approved and carry Commodore's full one year on-site warranty. RAM upgrades are also available from Silica. Due to current fluctuations in the market, please call for upgrade prices.

RAM	HD	Price
25MHz 68030		
2Mb	80Mb	£899
2Mb	130Mb	£949
4Mb	80Mb	£999
4Mb	130Mb	£1049
4Mb	214Mb	£1149
4Mb	340Mb	£1249
4Mb	540Mb	£1499
25MHz 68040		
6Mb	130Mb	£1899
6Mb	214Mb	£1999
6Mb	340Mb	£2149
6Mb	525Mb	£2399

RAM UPGRADES CALL FOR PRICES

CDTV ADD-ON FOR A500 or A500PLUS

FREE DELIVERY — FREE SOFTWARE SEE BELOW

A570 UPGRADE

FREE FROM SILICA:
- Hutchinsons Encyclopedia CD RRP £29.99: A fascinating and unique reference tool comprising the complete Hutchinsons Encyclopedia.
- CDPD - 600 Public Domain Titles RRP £19.99: Over 600Mb of Public Domain software and shareware. Includes word processors, data bases and spreadsheets etc., games and utilities.

WORTH OVER £49

This Compact Disc-playing add-on simply clips to the side expansion port of your Amiga 500 and is immediately ready to deliver its power.
- Enables your Amiga 500 to run CDTV software
- Plays normal audio CD discs
- Storage capacity equal to 600 floppy disks
- Transfer time 153Kb/second
- Compatible with CD + G and CD + MIDI formats
- Compatible with ISO9660 standard
- Some old A500s need modification

WINNER OF THE AMIGA GOLD AWARD 91%

NEW LOW PRICE — RRP £249.99 £99 INC VAT - CCD 0570

CDTV SOFTWARE

LEMMINGS: These suicidal critters aren't about to take up sunbathing, take on the ingeniously designed puzzles to ensure they survive to tell their descendants the tale. Ref: CSL 4281 £9.99 INC VAT

SIM CITY: As the mayor of Sim City you take control of the police, fire and transport departments. You must challenge crime, survive dreadful weather and aircraft disasters. Ref: CSS 4921 £9.99 INC VAT

SUPER GAMES PACK: This ultra high action compilation is sure to raise your adrenalin level. Includes Jailbreak, Xybeats, Deathbolt and Lunar Rescue. Ref: CSS 8971 £9.99 INC VAT

FOR OUR COMPLETE RANGE OF CDTV TITLES PLEASE CALL OUR MAIL ORDER HOTLINE OR VISIT ONE OF OUR SHOWROOMS LISTED BELOW.

C= APPROVED

Silica are a fully authorised Amiga dealer. We can upgrade Amiga 600 or 1200's with hard drives, for new or existing owners, without affecting Commodore's official on site warranty. We offer other upgrades and repair service for A500 and A500PLUS computers.

UPGRADES & REPAIRS
- Latest test equipment
- 20 trained technicians
- 1,000s of parts in stock
- FAST, 48 hour service
- We can collect (£5+VAT)
- FREE return courier
- All work guaranteed

CALL FOR A PRICE LIST

SILICA - THE AMIGA SPECIALISTS

1978 SILICA 1993 — 15 YEARS SERVICE TO YOU

Before you decide when to buy your new Amiga computer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after buying your Amiga, when you may require additional peripherals or software, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. With our unrivalled experience and expertise, we can meet our customers' requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- COMMODORE APPROVED UPGRADES: Official Hard Drive upgrades with ICL on-site warranty.
- FREE OVERNIGHT DELIVERY: On all hardware orders shipped in the UK mainland.
- TECHNICAL SUPPORT HELPLINE: A team of Amiga technical experts will be at your service.
- PRICE MATCH: We match competitors on a "Same product - Same price" basis.
- ESTABLISHED 15 YEARS: We have a proven track record in professional computer sales.
- PART OF A £50M A YEAR COMPANY: With over 200 staff - We are solid, reliable and profitable.
- BUSINESS + EDUCATION + GOVERNMENT: Volume discounts are available. Tel: 081-308 0888.
- SHOWROOMS: We have demonstration and training facilities at all our stores.
- THE FULL STOCK RANGE: All of your Amiga requirements are available from one supplier.
- FREE CATALOGUES: Will be mailed to you, with special reduced price Amiga offers, as well as details on all Amiga software and peripherals.
- PAYMENT: We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).

SILICA

HOT LINE 081-309 1111

MAIL ORDER: Order Lines Open: Mon-Sat 9.00am-7.00pm (Sat 9.00am-5.30pm)	1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX. No Late Night Opening	Tel: 081-309 1111 Fax No: 081-308 0608
CROYDON SHOP: Opening Hours: Mon-Sat 9.00am-6.00pm	Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ. Late Night: Thursday - 8pm	Tel: 081-688 4455 Fax No: 081-686 4658
LONDON SHOP: Opening Hours: Mon-Sat 9.30am-6.00pm	52 Tottenham Court Road, London, W1P 0BA. No Late Night Opening	Tel: 071-580 4000 Fax No: 071-323 4737
LONDON SHOP: Opening Hours: Mon-Sat 9.30am-7.00pm	Selfridges (Basement Arena), Oxford Street, London, W1A 1AB. Late Night: Thursday - 8pm	Tel: 071-629 1234 Extension: 3914
SIDCUP SHOP: Opening Hours: Mon-Sat 9.00am-5.30pm	1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX. Late Night: Friday - 7pm	Tel: 081-302 8811 Fax No: 081-309 0017
ESSEX SHOP: Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm)	Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA. Late Night: Thursday - 7pm	Tel: 0702 468039 Fax No: 0702 468039
IPSWICH SHOP: Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm)	Debenhams (2nd Floor), Waterloo House, Westgate St, Ipswich, IP1 3EH. Late Night: Thursday - 8pm	Tel: 0473 287092 Fax No: 0473 287092

To: Silica, AMCOM-0194-104, 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX

PLEASE SEND A 64 PAGE AMIGA COLOUR CATALOGUE

Mr/Mrs/Miss/Ms: .... Initials: .... Surname: ....

Company Name (if applicable): ....

Address: ....

Postcode: ....

Tel (Home): .... Tel (Work): ....

Which computer(s), if any, do you own? 104S

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

E&OE 30/11/93

White Knight Technology

PROFESSIONAL
AMIGA *Specialists*

☎ (0992) 714539
Fax 10am - 7pm Monday - Friday
And 11am - 4pm Saturday

2.5% Surcharge on Credit Cards. Not Switch or Visa Delta

PO BOX 2395, WALTHAM CROSS, HERTS, EN8 7HQ

AMIGA 4000

A4000/030, 6MB RAM, 80 MB	£1049
A4000/030, 6MB RAM, 130 MB	£1099
A4000/030, 6MB RAM, 250 MB*	£1169
A4000/030, 6MB RAM, 340 MB*	£1249
A4000/030, 6MB RAM, 420 MB*	£1359
A4000/040, 6MB RAM, 130 MB	£1899
A4000/040, 6MB RAM, 250 MB*	£1969
A4000/030, 6MB RAM, 340 MB*	£2049
A4000/030, 6MB RAM, 420 MB*	£2159

* Drive not covered by WANG / ICL On-Site Warranty

32 Bit SIMM MEMORY

1 Mb 72 pin A4000 / M1230XA / Derringer	£ 45
2 Mb 72 pin A4000 / M1230XA / Derringer	£ 85
4 Mb 72 pin A4000 / M1230XA / Derringer	£ 160
8 Mb 72 pin M1230XA / Derringer etc.	£ 350
1 Mb GVP G-FORCE / A530 / A1230	£ 79
4 Mb GVP G-FORCE / A530 / A1230	£ 189

A2000 ACCELERATORS

CSA DERRINGER 25MHz 68030 & MMU, WITH 0Mb 32-BIT RAM	£ 299
CSA DERRINGER - PLATINUM 50 50MHz 68030 (optional 50MHz 68882) WITH 0Mb 32-BIT RAM	£ 449
GVP G-FORCE 40MHz 030, 4Mb	£ 689
GVP G-FORCE 50MHz 030, 4Mb	£ 989
GVP G-FORCE 33MHz 040, 4MB	£1279
CSA MAGNUM 28MHz 040/SCSI	£ 849
RCS FUSION 40 28MHz 040	£ 765

A1200 ACCELERATORS

GVP A1230, 40MHz 030	4MB	£ 379
GVP A1230 II, 50MHz 030	4MB	£ 579
MICROBOTICS M1230XA WITH 33MHz 68030 & MMU,	0MB	£ 249
50MHz 68030 & MMU,	0MB	£ 319

68882 FPU'S

68882 33MHz PGA	£109
68882 50 MHz PGA	£ 149
68882 33 MHz PLCC - For A4000/030 etc.	£ 99
68882 40 MHz PLCC - For A4000/030 etc.	£ 129

BERNOULLI DRIVES

150Mb Removable Cartridge Drive (SCSI-2)

Internal 5.25" Drive + Cartridge	£ 459
External Drive, Cable & Cartridge	£ 549
150Mb Cartridges	£ 89

ALL PRICES INCLUDE VAT

AMIGA 1200 HD

A1200 + 64Mb Hard Drive	£ 439
A1200 + 85Mb Hard Drive	£ 489
A1200 + 127Mb Hard Drive	£ 519
A1200 + 209Mb Hard Drive	£ 589

DESKTOP DYNAMITE AVAILABLE + £50

All A1200's are covered by WANG / ICL On-Site Warranty

VIDEO PRODUCTS

DIGITAL BROADCASTER 32 £ 2995

This Zorro III card performs the major functions of a full, broadcast quality, digital video editor. It provides REAL-TIME, FULL MOTION JPEG (25 fps) Capture & Compression, direct to disk. The captured video can then be edited and subsequently Decompressed and played back in REAL-TIME, at 25 fps in broadcast quality, direct to video, laser disk recorder etc. Also included on the board is full SMPTE timecoding, read & write. The card also interfaces with the AD516 Studio 16, 8 track stereo audio card from Sunrize. Available from mid January, 1994. Please call for further details.

GVP IMPACT VISION 24

24-Bit Professional Graphics board with Frame Grabber/Digitiser, Flicker -Fixer, Genlock & Picture - In - Picture etc. With Caligari 24, Macro Paint 2, MyLad & Desktop Darkroom software.

IV24 With VUI-S (RGB / Comp)	£ 985
IV24 With VUI- CT (RGB / S-VHS)	£1279
HARLEQUIN + (With FREE VLab Y/C) With 4Mb Vram/double buffered	£1595
RETINA DISPLAY CARD 4Mb	£ 499
VLab Y/C Real time digitiser	£ 379
RAINBOW III DISPLAY CARD	£1499
PICASSO II 24-Bit CARD, 2Mb	£ 329
PICASSO II & TV Paint 2, 2Mb	£ 499

OPALVISION

£ 375

SPECIAL XMAS OFFER PRICE

AUDIO PRODUCTS

SUNRIZE AD516 / STUDIO 16

8 Track Stereo, 16-Bit, Better than CD Quality - Direct to Disk Recording, Editing & Playback. Can be used in conjunction with the Digital Broadcaster via SMPTE

£ 1249

HARD DRIVES

A1200

80MB & CABLE	£ 199
120MB & CABLE	£ 219
170MB & CABLE	£ 259

A2000 / A3000

40 MB SCSI 3.5"	£ 110
105 MB SCSI 3.5"	£ 190
240 MB SCSI 3.5"	£ 295
345 MB SCSI 3.5"	£ 385
425 MB SCSI -2	£ 499
525 MB SCSI -2	£ 629
1.0 GB SCSI -2	£ 859
2.0 GB SCSI -2	£1299

A4000

250 MB IDE 3.5"	£ 235
340 MB IDE 3.5"	£ 285
420 MB IDE 3.5"	£ 395

NEW IN!

AMIGA 3000 / 3000T's Ex - Demo. From	£ 749
GVP PHONEPAK Voicemail & Fax card	£ 349
DKB 128Mb RAM Card for A3000 / 4000 (0Mb)	£ 275
BSC MULTIFACE 3	£ 109
EPSON GT6500 A4 COLOUR SCANNER	£ 739

DELIVERY CHARGES

Express	£6
Economy	£4

SURCHARGE

If ordering with ACCESS or VISA, there is a 2.5% surcharge. No surcharge for VISA-DELTA, CONNECT or SWITCH

HOW TO ORDER

HAVE YOUR DEBIT OR CREDIT CARD DETAILS AT HAND, AND CALL:-

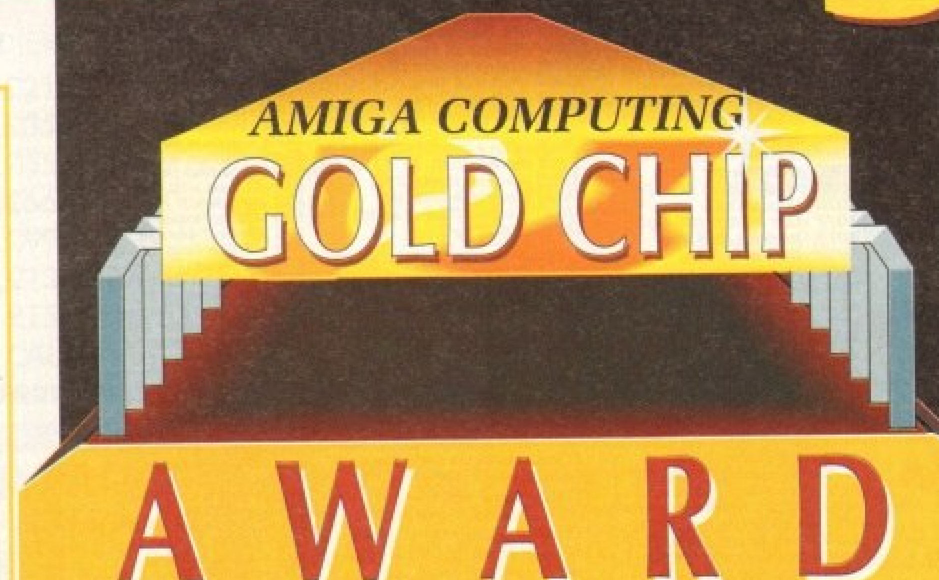
0992 - 714539

10-7 Monday- Friday
11 -4 Sat, Closed Sun.

OR BY POST, TO:

"WHITE KNIGHT TECHNOLOGY",
P.O. BOX 2395,
WALTHAM CROSS,
HERTS. EN8 7HQ

The Gold Chip Challenge



Who has won and who has lost in the *Amiga Computing* reader awards 1993? Will it be tears of joy, or fake congratulatory smiles for our nominees?

A couple of months ago, we asked you to vote for the best hardware and software of 1993, and since then your votes have been flooding the *AC* offices as thousands of ordinary readers take the opportunity to tell the manufacturers what they think.

The results are a reflection not only of our readers' preferences but of the relative strengths of the packages in the market. For example, the OpalVision card came out top of the video peripherals despite the fact that the video add-on module has still not been released.

So many OpalVision users are out there that the card won by a streak, demonstrating that if Centaur could pull their fingers out with the upgrade modules, they still have a sizeable market.

Other results were a little more predictable, but all have one thing in common: They are the preferences and opinions of the voting (and paying) public and as such carry a lot more weight than press speculation.

Hardware

This was an exciting section, where several of the awards were decided by a very tight margin. The closeness of the hardware votes shows just how well the market has been served this year by manufacturers, with dozens of quality add-ons competing for our wallets.

So, without further ado, let's look in those envelopes...

Best video add-on
OpalVision, Centaur Software

Best hard drive
A500 HD8+, GVP Inc

Best RAM expansion
MBX1200, Microbotics Inc

Best music add-on
Miracle keyboard, Mindscape International

Best printer
DeskJet series, Hewlett Packard

Best monitor
CM8833 Mk2, Phillips

Best scanner
GT6500, Epson

Games

This was a tough one, not only because there have been so many excellent games this year, but because people usually vote for their own particular favourite.

Best arcade/ platform
Flashback, Delphine Software

Best sports sim
F1 Grand Prix, Microprose

Best strategy/ war game
Civilization, Microprose

Best adventure
Monkey Island 2, US Gold

Best flight sim
Gunship 2000, Microprose

Well, that's that for another year. You've voted with your wallets and your pens, and spoken as a group of readers of the only Amiga magazine to cater directly for the enthusiast. The responses given through your votes represent a group of dedicated Amiga users with a broad range of equipment, from RAM expansions to the most expensive peripherals around, and if you aren't a suitable peer group for judging Amiga products, then noone else can be.

Software

A quietish year for productivity software has seen the accolades go to mostly older established products, but the difference in voting behaviour between hardware and software is striking nonetheless. Not one of the final votes was close, and all winners cantered home at least a couple of lengths ahead.

Best word processor
Wordworth 2, Digita International

Best office package
Maxiplan 4, The Disc Company

Best productivity package
Directory Opus, INOVAtronics

Best language
Amos Pro, Europress Software

Best art package
DPaint IV

Best DTP package
Final Copy II, SoftWood Inc

Best 3D package
Real 3D v2, Activa International

FIVE STAR

99p per disk

QUALITY SOFTWARE: WE STOCK OVER 3000+ DISKS

FREE CATALOGUE LIST WITH EVERY ORDER FREE

We also stock:

FRED-FISH 1-890
T-BAGS 1-57
L.S.D. docS 1-39
SCOPES 1-220
ASSASSIN 1-115
GlamourS etc.

GAMES

G001-17 +Games (1-17)
G018 +Family Fun 1 (A)
G019 +Wet Beaver Games
G077 +Jeopards (A)
G079 +Pac-Man 87 (A)
G081 Star-Trek ng
G084 +Yelp (A)
G085 +Rogue Troper
G088 +Tricky Turn (A)
G091 +Viking Childs
G092 The Simsons (A)
G094 +Return to Earth (A)
G096 +Popeye (A)
G097 +Plotting (A)
G102 +Pipelines (A)
G106 Dragontiles (A)
G109 +Bug Blaster (A)
G110 +Mysterious World
G112 +Cubulus (A)
G127 +Defenda (A)
G138 +Peter Quest (A)
G153 +Sealance (A)
G158 +Waste Land (A)
G166 +No Man Lands (A)
G172 +Dungeons Durian
G174 +Power Games 1
G175 +Revenge Camel (A)
G215 +Scrum Haters (A)
G222 +Mega 21 Games (A)
G223 +Survivor (A)
G224 +Adam Family (A)
G235 +Dragon-Cave (A)
G236 +Space-Poker (A)
G237 +Scrabble (A)
G240 +Quadrix (A)
G242 +Take Em Out (A)
G245 +Chrome (A)
G252 +Super Pac 92 (A)
G256 +Insider-Club (A)
G259 +Crystal Caverns (A)
G620 +Property Market
G265 +Subculture (A)
G266 +Trucking (2)
G269 +Mental Images 1 (A)
G270 +Mental Images 2
G272 +Tank Battle (A)
G274 +Mr Dug (A)
G275 +Fruit-Machines (A)
G278 +Arcadia (A)
G293 +Game Galore (1-13) (A)
G302 +Bounty Hunter
G303 +Dimension X (A)
G305 +Squats Revenge (A)
G326 +Mega Game Col III (A)
G329 +Madonna Nude Puz (A)
G331 +Gravity (A)
G333 +Cyber-Netic (A)
G334 +Donkey Kong
G335 +Crazy Sue II (A)
G339 +Dr Mario
G342 +S. Skoda Challenge (A)
G344 +Star-Trek (A)
G350 +Raid III (A)
G351 +Caverunner (A)
G356 +Wonder Land (A)
G361 +China Challenge II (A)
G362 +Deluxe Pacman (A)
G366 +Bingo Caller (A)
G367 +Card Games (A)
G372 +Game-Boy Tetriz
G373 +Air Ace II (A)
G374 +Super Twintriz (A)
G380 +Shoot Em Up (A)
G385 +Billy the Dragon (A)
G389 +Casino Games (A)
G390 +Tetren (A)
G392 Strikeball (A)
G393 +Bubble Ghost (A)
G400 +Fighting Warrior (A)
G401 +IFF2PCS (A)
G403 +Castle Nomis (A)
G406 +Total Wars (A)
G409 +Wot It Name Quiz (A)
G410 +Fatal Mission (A)
G411 +Battle Car 2 (A)
G417 +22 Puzzle Games (A)
G422 +Serene II (A)
G435 +Roulete (A)
G436 +Airport
G437 +Jumpy
G438 +Trailblazer (A)
G443 +Olempiad Disk (2) (A)
G446 +Oblidox (A)
G449 +Empire (2)
G453 +Fire Fighter (A)
G455 +Castle of Doom (A)
G458 +Technotron (A)
G460 +Wibble World Giddy (A)
G465 +Chess II (A)
G474 +Top of the League (A)
G478 +Amos Cricket (A)
G484 +Match Stick Man (A)

UTILITIES

U001 +A-GENE (A)
U002 +System Tester (A)
U007 +Text Plus 2.2e (A)
U016 +Home Business 2 (6)(A)
U023 +Banking (A)
U029 +Can Do (1Mb) (A)
U031 +C-Light (1Mb) (A)
U033 +Cross Dos (A)
U046 +Darkstar (2-5) (A)
U058 +Mag Creator (A)
U059 +Disk-Salvage (A)
U088 + Label Designer (A)
U101 +Data Base/Cat (2) (A)
U118 +North C (2) (A)
U121 +Spread Sheet (A)
U131 +Tetra Copy (A)
U137 +Ledit (A)
U140 +Virus Killer (A)
U144 +Amiga Fox DTP (A)
U145 +Xcopy Professional (A)
U146 +C-Manual (4) (A)
U150 +Work-Bench Hacks (A)
U153 +Assasign Printer (A)
U160 +600 Business Let (A)
U169 +Paint and Animate (A)
U170 +Biorhythm V4.01 (A)
U177 +Electro-Cad V1.4 (A)
U181 +Video Note Pad (A)
U186 +Lit Disk Creator (A)
U191 +SID II (A)
U195 +Amibase-Pro II (A)
U198 +Scenery (A)
U220 +Amos-Paint (A)
U226 +50+ Most Use Util (A)
U229 +Slide Const Kit (A)
U231 +The Game Tamer (A)
U233 +Speech Toy (A)
U237 +8 Channel S'Tracker
U242 +Imploder 4.0 (A)
U250 +Video Tool (3) (A)
U255 +Graphic Converter (A)
U261 +Jam Disk (1-10) (A)
U284 +Copy & Crack Tool (A)
U287 +P.C. D Pascal (2) (A)
U300 +Messy Sid II (A)
U311 +Power Logo (A)
U313 +Printer Utility 3
U321 +Graphic Util (6) (A)
U331 +Power-Menues (A)
U332 +Graphic Const Kit (A)
U334 +Emulator Col II (A)
U335 +Free Copy (A)
U337 +Model 3D (A)
U338 +Multi Visions 1 (A)
U339 +Multi Visions 2 (A)
U343 +Little Office (A)
U350 +Pool Tool (A)
U352 +Desk Top Video (A)
U356 +Text-Engine V3.4 (A)
U357 +Bon Appetit (A)
U358 +Star Cat 2 (A)
U363 +Disk Repair Kit (A)
U364 +Home Account (A)
U368 +Amicash (A)
U370 +Caption Machine (A)
U372 +Word Sort (A)
U376 +NCOMM II (A)
U377 +NCOMM III (A)
U383 +Lyapvnou Genator (A)
U390 +Data Base Pack (A)
U391 +Fortran Language (A)
U394 +Protraker Vs 2 (A)
U397 +Form Unlimited (A)
U398 +Mortgage Calc (A)
U399 +Fracscape V1.2 (A)
U401 +Plus! Issue (1-14) (A)
U420 +Speed Bench (2/3) (A)
U424 +Slidemaker (WB2/3) (A)
U425 +NIB 2 (A)
U427 +Printer Studio (A)
U430 +Sound Monitor (A)
U431 +Video Apication (2) (A)
U434 +Oracle (2) (A)
U442 +Sysinfo 2.56 (A)
U444 +Font Farm (A)
U466 +Grape Vine 12 (3) (A)
U477 +Quatermass Exp (2) (A)
U480 +Hard Disk Click (A)
U491 +Protracker V3 (3)
U495 +Hard Disk Util (A)
U505 +Salvage/Repair Kit (A)
U507 +DCopy 3 Proff (A)
U509 +Ultimate Btblock 1 (A)
U513 +Video Titler A (2) (A)
U516 +Amos Fractal (A)
U550 +Scenery Const Kit (A)
U551 +Assassin Boot Block (A)
U555 +Crossword Creator
U558 +Graphic Const Kit
U567 +Text Plus V.4 (A)
U568 +Icon Const Kit (2) (A)
U580 +Picture Box (A)
U581 +Magnetic Pages (A)
U584 +New Super Killer (A)

ANIMATION

A001 Walker 1 & 2 (2) (A)
A004 +Porky Pig (AGA)
A005 +Fillet the Fish (A)
A007 +Franklin the Fly (A)
A008 +Tron (2) (AGA)
A010 +Sculpt Anim 1 (A)
A013 +Space-Probe (A)
A017 +S.T. Fleet (A)
A019 +Stamp Logo Anim (A)
A021 +Coyotes Strikes Back
A022 +Luxo Teenagers (A)
A025 +Cool Cougar (A)
A028 +Puggs in Space
A029 +Mike Tyson (A)
A033 +Fractal Flight (A)
A036 +Weird Science 1 (A)
A037 +Weird Science II (A)
A038 +Batman Movies (A)
A039 +Newtek (2) (A)
A051 Dating Games (3Mb) (2)
A056 +Juggette II (1Mb) (A)
A059 +Pogo (1Mb) (A)
A060 +Walker 1 (2Mb) (2) (A)
A063 +Juggler II (A)
A064 +Newtek III (2) (A)
A066 +DBW Render (A)
A068 +Walker 2 (2) (2M) (A)
A070 +Donald Duck
A072 +Life a Bitch (18) (A)
A073 +Its Mental III (A)
A082 +Its Mental I (A)
A108 +Another World (A)
A115 +Vietnam Conflict (A)
A138 +Kylies A (20) (A)
A141 +Terminator 2 (A)
A150 +Madonna (A)
A151 +Top Gun (A)
A153 +Gulf Tribute (A)
A154 +Thunderbirds (A)
A155 +Rock Album (A)
A157 +Watership Down (A)
A158 Garfied (A)
A173 +Hell Raiser II (A)
A175 +Madonna SS II (AGA)
A178 +Kim Wilde Slidesh (A)
A179 +The Living World (A)
A187 +Peril of the Deep 1 (A)
A188 +Peril of the Deep 2 (A)
A190 +Terminator II (2) (A)
A193 +Nemesis Comic (A)
A195 +Real 3D (2) (A)
A197 +Star Trek (2) (A)
A200 +Mars Flights (A)
A202 +Fractal Anim (A)
A205 +Planet Side (A)
A207 +New Lemmings
A208 +Lady & the Tramp (A)
A209 +Mr Potatoes (A)
A211 Copter Flight (A)
A213 +Cannon Flight (A)
A215 +Madonna III (3) (A)
A218 +More Areotoon (A)
A220 +Showbiz Anim
A221 +James Whales Anim
A225 +5 Way Kill Mole 2 (A)
A226 +New Viz (A)
A230 +Too Much 3D (A)
A231 +Aliens (A)
A232 +Beach Fight 1&2 (A)
A236 Whizzer + Chip (A)
A241 +Super Pic (1-3) (A)
A250 +Channel 42
A252 +Space Flight Anim (A)
A255 +Bart Simpson (3) (A)
A258 +Creep Show (A)
A260 +Freddy Dead (A)
A262 +Star Trek (A)
A265 +Let Me Out 1 & 2 (A)
A266 +Colour Cycle
A280 +Gif 1 & 2 (2) (A)
A288 +Saturn Fly By (A)
A289 +Reflection (A)
A290 +Christmas Anim (A)
A293 +Manga Comic (2) (A)
A296 +Cyclic Art (AGA)
A299 +Eric Swartz (A)
A300 +Vista Pro (2) (A)
A302 + Cat Slideshow (A)
A306 +Tornado (AGA)
A311 +Colour Demo (A)
A314 +Scenery Anim (2) (A)
A317 +Rocking Robot (A)
A320 +Gore (AGA)
A334 +Dolphin Dream (A)
A372 +Rodens Anim (2) (A)
A375 +Moonshine (2Mg) (A)
A376 +6 of 1 Prisoner (A)
A377 +Eight Slenz Out (2M)(A)
A378 +Sweet Revenge (2M)(A)
A379 +Predator (2)
A383 +Adventure Oscar (A)

STAR TREK anim

Agatron Vol 1-38

DEMOS

D001 +Space Ace (A)
D008 +Predator (A)
D011 +Multitasking (A)
D013 +Fraxion Revenges (A)
D016 +Dead Dance Thrash
D029 +Budbrain Mega (2)
D033 +Phenomena (A)
D035 +Thames TV Demo (A)
D050 Pink Floyd (6) (A)
D062 +Predators (2) (A)
D068 +Sam Fox Bibs Bobs
D076 +Contact Been Made (A)
D078 +System Violation (A)
D120 +1911 Voyage
D152 +The Electric Touch
D154 +Virtual Real (2)
D156 +Kylies Demo (2)
D163 +Harlequin Demo (A)
D168 +Silence of the Lamb (A)
D180 +Cheap Movies Clip
D188 +Peace of Mind
D190 +Software Failure
D201 +Farts Demo (A)
D203 +Hidden Demo (A)
D205 +CDA Limlight (A)
D218 +Scream (2)
D225 +Deluxe Video III (2)
D234 Silence Expose (2)
D236 +Deluxe Photo Lab (2)
D240 +Anarchy

18+ DEMOS

D001 +Showering Girl 5 (A)
D003 +Bodytalk (2) (A)
D006 +Viz Calendar 1990 (A)
D007 +NIGHTBREED (A)
D009 +Maria Whittaker (A)
D024 +Sabrina Special (A)
D025 +Die Filkinger (A)
D026 +Madonna Early Days
D028 Kathy Lloyd*
D030 +Mega Maid* (A)
D031 +Calendar Girls (A)
D032 +Mayfair (A)
D033 +Utopia (4)
D045 +Girls of Sport (A)
D049 +Page 3 Girl (A)
D070 +Gon Gon Girls (A)
D071 +Tina Small (A)

MUSIC

M001 +Beasty Boys (A)
M002 +Michael Jackson (A)
M003 +Do The Bartman (A)
M005 +100 C64 Tunes
M018 +The Xmas Song (2) (A)
M020 +Laurel & Hardy (2) (A)
M025 +Money for Nothing (A)
M026 +Walk This Way Remix (A)
M029 +Safe Sex Demo (A)
M031 +Betty Boo (2) (A)
M035 +Arse-Wipe (A)
M040 +Secret PMs Ball (2)(A)
M058 +Sgt Pepper Disk (2)(A)
M062 +The Rainbow Demo (A)
M063 +Chubby Brown (A)
M072 +Madonna (A)
M076 +Popeye (A)
M084 +C64 Games Music (A)
M093 +Miller Lite (A)
M107 +Flash Gordon (2) (A)
M115 +Mahoney & Kaktus 2 (A)
M122 +The Yello Mix (A)
M123 +Home & Away+Bread (A)
M125 +Adams Family (A)
M131 +Amiga Chart III (A)
M135 +Kejriens Megamix (A)
M147 +Bangle (A)
M150 +Tiffany (A)
M153 +Xmas Music Col (A)
M154 +Kylies (2) (A)
M156 +CD Player (A)
M158 +Doctoring Tardis (A)
M160 +I am too Sexy (2) (A)
M166 +Ooh It Obscene 2 (A)
M167 +Ooh It Obscene 3 (A)
M168 +Rocks 'n' Roll (A)
M171 +Madonna (Virgin) (A)
M177 +Pet Shop Boy 4 Tune (A)
M184 +Samfox (Please Me)(A)
M186 +Madonna (Rescue) (A)
M188 +Joe Le Taxi (A)
M194 +Jesus One's (2) (A)
M230 +Now Music (1-15)
M262 +A to Z C64 Tunes (4) (A)
M274 +LSD Techno Warrior (A)
M276 +Vivaldi 4 Season
M293 +Bach Concerto 5/6 (A)
M314 +Dick Tracy (2) (A)
M317 +Freddy Rapp (A)
M318 +Madonna Imaculate col (A)

EDUCATION

E001 +Kids Paint (A)
E002 +Colour It (A)
E003 +Treasure Search (A)
E004 +Learn & Play 1
E005 +Learn & Play II
E006 +Spanish Translator (A)
E007 +Education Graphics
E008 Mr Men
E009 +Astromy (A)
E010 +Simon & Space Math (A)
E011 +Education Disk 1 (A)
E012 +Education Disk 2 (A)
E013 +Education Disk 3 (A)
E014 +Education Disk 4 (A)
E015 +Education Disk 5 (A)
E016 +Education Disk 6
E019 +Dinosaurs (A)
E020 World Database (A)
E021 +Story Land II (A)
E022 +Language Tutor (A)
E023 +Talking Colouring (A)
E024 +Easy Spell II (A)
E025 +Scrabble (A)
E026 +Words (A)
E027 +Oswald (A)
E028 +Ariochs Astrology (A)
E029 +Ariochs Astrology (A)
E30 +Evolution (A)
E31 +IQ Test + IQ Games (A)
E33 +Keyclick II
E35 +Chess Helper (A)
E36 +Basic Tudor (A)
E38 +Amiga Tutorial (A)
E39 +Postman Pat (A)
E40 +Guide to Back Pain (A)
E41 +Kid Alphabet (A)
E42 +Fraction & Silquest (A)
E43 +Math Master (A)
E44 +Steam Engine V2 (A)
E45 +Petol Engine (A)
E46 +Gas Turbine Engine (A)
E50 +Dream for Angels (A)
E51 +Invisible World (A)
E52 +Fish Tank Sim
E54 +Demolit Mission (A)
E55 +Word Power (A)
E56 +Worm Hole (A)
E57 +Apple Catcher (A)
E58 +Maze & Crypok (A)
E59 +Verb Quiz (A)
E61 +King James Bible A (A)
E66 +Tarrot A (A)
E67 +Tarrot Disk (A) B
E68 +Gallow (A)
E69 +Treasure Trap
E70 +Math Drills (A)
E71 +Error Info (A)
E73 +Picture & Letter (A)
E74 +Amiga Begin Guide (A)
E75 +World War 2 (A)

CLIPART

CA01 +Colour Cartoon
C015 +FS Clipart (1-5)
C024 +Harlequin Vol 1
C025 +Harlequin Vol 2
C026 +Harlequin Video 1
C030 +Fonts & Surface
C027 +Dynamite Fonts 1
C027 +Dynamite Fonts 2
C028 +Amsoft Font Clip 1
C029 +Amsoft Font Clip 2
C030 +Various Font
C031 +Exile Font Clipart
C032 +Disney Clipart
C033 +Comic Clipart
C34 +Space Clipart
C035 +Gelenite Fonts (3)
C043 +Rip-Font & Logo
C044 +Colour Clip Art 1
C051 +Clip Art Vol (1-20)
C101 +IFF Pic Clipart (1-24)

FONTS

F001 +FS Font (1-5)
F015 +Deluxe Paint Font 1
F016 +Deluxe Paint Font 2
F017 +Deluxe Paint Font 3
F018 +Deluxe Paint Font 4
F020 +Halc Font (3)
F023 +Computer Eye Font 1
F024 +Computer Eye Font 2
F025 +Fancy Font Volume 1
F040 +Digi Font Volume 1
F045 +Mega Font Volume 1
F050 +PS Logo Font (1-9)
F050 +C.G. Font (1-7)
F070 +Pagestream Font (1-6)

SAMPLES

S001 Sample ST Vol (1-50)
S151 Mega Modules (1-6)
S171 House Samples A
S172 House Samples B
S173 House SamplesC
S174 Noise Less. Mozart
S175 Korge Sample (3)
S201 ST Modules (01-40)
S401 NT Modules (1-3)
S501 Instrument (1-5) 1

C64 EMULATOR VS 2

& 50+ original C64 Games Pack

The very latest C64 Version 2 Emulator. Now you can even program it just like the C64 computer

Superb value pack ONLY ... £4.99

ZX SPECTRUM 48k

& 50+ original Specy Games Packs

This is the very latest version (1.7) now run much faster & include sound. You can even program it like the original ZX SPECRUM 48k - BRILLIANT

ONLY...£4.99 ALL AMIGAS (please state)

101 Games compilations pack only £12.99

Super values 101 of great games pack include CRAZY SUE, INVADER II, TETRIZ, ELECTRIC TRAIN, MONOPOLY and 96 more great games etc.

Suitable for all ages & for all Amigas

30+ GAME PK 1 or 2 ONLY £3.99 each

Games aresame quality as above

For all ages and for all Amigas

ASSASSIN

GAMES PACKS Vol 1-115

Very highly rated games compilation thats reviewed in most Amiga mags. Each disk contains between 2-8 very high quality games. For full list of the ASSASSIN game please order a Catalogue Disk.

ALL AMIGA (order by disk no eg. Ass93 for Assassin disk 93

SPECIAL PACK...FOR ALL AMIGA

MANGA ARIKA (6 disk) NEW ..only £5.5
Brilliant MANGA games, anim, demo (6 disk)

D-PAINT FONTS Pack 1,2 or 3.only £4.9
150+ quality Iff font. 4 disks per pack

FS LOGO FONTS Pack 1,2 or 3 only £4.9
Ideal for logo headlines. 4 disks per pack

QUALITY DTP CLIP ART (5 disks) .. £4.9
1000s of high quality images (5 disks)

PAGE STREAM FONTS (6 disks) .only £5.9
Why pay more for quality fonts

C.G. FONTS for all major DTP (7disks) ..£6.9
Another 7 disks of quality C.G. fonts

48 HIGH QUALITY PAGESTREAM CLIPAR
only 99p per disk. Load in to P.starems

LATEST RELEASES FOR ALL AMIGA

E074 SCIENCES VOL 1 (4 disks)
Excellent collection of Science, Physic & Chemistry program

E084 ASTROLOGY PACK (4 disks)
Find star, galaxy etc position a must for all Astrology fan

G490 MEGA BALL 2 (just released)
Brilliant breakout clone Megaball V2 add loads of new featur

G494 EXTREAM VIOLENCE (new)
Fantastic 2 player duel shoot em up set in a future city

U622 ACTION REPLAY V4 (A1200)
Freeze, copy, rip gfx 7 music, infinite live. Mc monitor etc

U621 ACTION REPLAY (WB 1.3 2.0)
(above) all function like DATEL cartridge but £58.95 cheaper

U630 LOCK-PICK 2 (latest V2)
Brilliant V2...remove copy protection from over 450 games

U633 CHEAT COMPENDIUM (new)
NEW cheat & complete solution for 452 (old & new) games

U637 DISKS REPAIR KIT II
Repair, salvage & copy for hard disk & floppy disk

U639 DISK SALVAGE V2 (Latest)
New salvage program etc from damage HD & Floppy disks

U640 HOW TO CODE IN C (2 disks)
New teach you how to program the C languages (tutor)

U645 PC EMULATOR 2 (new)
V2.3 PC emulator now with 256 VGA colour on your A1200

U650 COPY & CRACK TOOL 2 (new)
New compilation copy tool for back up softwares

U651 C-MANUAL 3 (12 disk) (latest)
Latest manual vs 3. Better than learning from books

EDUCATION & 21 GAMES

Our best seller. Best of education & 21 games
5 disks For all Amigas

ONLY £4.95

RS DEMO MAKER 1&2

5 disk set. The best demo maker yet (A500 1.3 only)

ONLY £4.95

Extra font & logo disk available

ABOVE IS ONLY A SMALL LIST OF TITLES AVAILABLE - PLEASE ORDER A CATALOGUE DISK

COMPATIBLES NOTE

A500	(WB 1.3)	any disk
A500 Plus	(WB 2.0)	with a (+)
A600	(WB 2.0)	with a (+)
A1200	(WB 3.0)	with a (A)

CDTV/A1500/A2000 etc check for (Kickstart) that match one of the top Amigas ... OK
( ) MEANS NO OF DISKS

OVERSEAS TRADER

WISH TO BECOME AN OFFICIAL FIVE STAR PD DISTRIBUTOR - PLEASE WRITE TO US (LIMITED)

PRICE & HOW TO ORDER

Prices......99p per disk
Postage .70p per order

Latest catalogue disk please add 70p

(Europe add 25p per disk for P&P)
(Worldwide add 50p per disk P&P)

MAKE P.O. or Cheque payable to: FIVE STAR PD send to: →

FIVE-STAR
(Dept AC6)
48 Nemesia
Amington
Tamworth
B77 4EL
Tel: 0827 68496

We open 7 days a week & all orders same day despatch

FREE COMPETITION

(Free entry with every order) Monthly prize draw till February First three customers order picked out of the box will win

1st PRIZE
Cubman Disk Drive
2nd...40 PD Disks Voucher
3rd...25 PD Disks Voucher

JUST AVAILABLE

SPECTRUM EMULATOR 1.7
DATA DISK (6 disks)

DISK CATALOGUE

Add 70p with order or send 3 x 24p stamp. We recommend the disk catalogue as it contained full description of over 3000+ disk & special offer & free SYS INFO program.

SYS INFO...Give info on your Amiga set up, check all drive, ram , hardware & Speed check etc & very useful test to determine how healthy your Amiga is - brilliant
WE ALSO HAVE FRED FISH & SCOPES CATALOGUES

SPECIAL XMAS DEALS!!

LOWEST PRICES

BEST SERVICE

RAPID DELIVERY

GREY-TRONICS LTD

SALES HELPLINE 081 686 9973 / 081 781 1551

DISKS DISKS DISKS + LOCKABLE BOXES

100% CERTIFIED ERROR FREE

50 3.5" DS/DD.......£21.99 + 100 cap lockable box...£25.99
100 3.5" DS/DD.......£35.99 + 100 cap lockable box...£39.99
150 3.5" DS/DD.......£55.99 + 100 cap lockable box...£58.99
200 3.5" DS/DD.......£66.99 + 2X 100 ,, ,,....£75.99
300 3.5" DS/DD.......£99.99 + 3X 100 ,, ,,....£110.99
400 3.5" DS/DD.......£132.99 + 4X 100 ,, ,,..£147.99
500 3.5" DS/DD.......£159.99 + 5X 100 ,, ,,..£179.99
1000 3.5" DS/DD.....CALL + 10X 100 ,, ,, ..BEST PRICE

FREE LABELS + FREE DELIVERY BY PARCEL FORCE

3.5" DELUXE LOCKABLE BOXES

40 Capacity £3.99
100 Capacity £4.50
Add £3.10 P&P

3.5" STACKABLE BOXES

100 Cap Addups......£8.99
150 Cap Posso.......£16.00
Add £3.10 P&P

3.5" 10 CAPACITY BOX £1.50

AMIGA CD32

2 GAME PACK
OSCAR + DIGGER
£278.99

100 GAMES
YES 100 GAMES
£299.99
BELIEVE IT OR NOT

LIMITED STOCK HURRY!!! FREE DELIVERY

AMIGA 1200 PACKS

RACE 'N' CHASE
Nigel Mansells + Trolls
AUTHORISED DEALER
£279.99
+ 4 FREE GAMES

DESKTOP DYNAMITE
Word Worth, Print Manager, Deluxe Paint IV, Oscar, Dennis
£319.99
+ 4 FREE GAMES

AS STOCK LAST

ADD £15 FOR 2 MICROSWITCH JOYSTICKS
& 12 GAMES ONLY WHEN PURCHASED WITH AMIGA
1 YR AT HOME SERVICE

85Mb..........£469.99 85Mb..........£524.99
127Mb........£499.99 127Mb........£554.99

FREE DELIVERY

SPECIAL XMAS DEALS

12 GAMES FOR £14.99

Road to Hell, Tank Battle, AGA Tetris, Pacman 92, Duel, Lemmingoids, Mouseman, Wizzy's Quest, Premier Picks, Tangle, Super League Manager, Bop & Flop

STARTING PACK £14.99 FOR:

10 Disks, Mouse Mat, Microswitch Joystick, Storage box, Disk cleaner

AMIGA 4000

030/2Mb RAM 80 Meg..........£870.00
030/2Mb RAM 120 Meg.........£919.00
Add £175 for Extra 4Mb RAM

AMIGA 600

FREE 4 GAMES. Space Ace, Kick Off 2, Pipe Mania, Populous

Basic Pack £179.99
Wild, Weird, Wicked..................£199.99
Lemming pack + Dpaint III £189.99
FREE DELIVERY

BRANDED DISKS
SONY - 3M - JVC - TDK

QUANTITY	DS/DD	HIGH DENSITY
50 3.5"	31.99	51.00
100 3.5"	60.00	100.00

100 3.5" HIGH DENSITY BULK DISKS £55
FREE LABELS & DELIVERY

AMIGA CABLES

Amiga to TV Scart..............£10.99
Amiga to Sony TV £10.99
Amiga to Amiga £10.99
Amiga Techno Pad..............£9.99
Joystick Splitters (2) £5.99
Joystick Extension Lead 10ft £5.99
Printer Lead £4.00

DUST COVERS

Amiga 1200/500/500P £4.00
Amiga 600.......................£4.00
Star/Citizen/Panasonic Printers £4.00

INKJET CARTRIDGES & REFILLS

HP Deskjet Black Ink Cartridges £14.99
HP Deskjet Black Ink Refill £9.99
HP Deskjet Black Dual Capacity Cartridge.....£21.99
HP Deskjet Black Dual Capacity Refill £14.99
HP Deskjet 500 C Colour Cartridges £25.99
HP Deskjet 500 C Colour Refill £16.99
Cannon BJ 10e/ex Black ink Cartridges.........£16.99
Cannon BJ 10e/ex Black ink Refill £9.99

Add £2 for Delivery

PRINTERS

* Panasonic 2123 24 pin Colour £214.99
* FREE Wordworth Word Processor RRP £129.99 AS STOCK LAST
Citizen Swift 90 9 pin mono..................£149.00
Citizen Swift 90 9 pin colour £159.99
Citizen Swift 200 24 pin colour £204.99
Panasonic 1170 9 pin mono £126.00
Commodore 1230 9 pin mono..................£114.99
Star LC24-30 24 pin colour + sheetfeeder ...£224.99
Star LC100 9 pin colour.......................£142.99

MONITORS

Commodore 1084 S..........................£179.99
Philips 8833 II................................£199.99
Commodore 1942 ....PRICE CRASH

FREE LEADS & DELIVERY

TOP QUALITY RIBBONS

	1 OFF	2+	5+
Panasonic KXP1080/1180/1123/1124	3.45	3.30	2.99
Panasonic 2123/2180 Col. Orig	15.95	15.45	14.95
Panasonic 2123/2180 Mono Orig	8.50	8.15	7.75
Citizen 120D/Swift 9/24	2.85	2.70	2.50
Star LC10/20 Black	2.95	2.75	2.25
Star LC200 Black	3.50	3.25	3.00
Star LC 24-10/24 200	3.75	3.50	2.95
Star LC24 10/24 200 colour Orig	12.95	12.50	11.95
Epson LQ400/500/800/850	3.45	3.30	3.10

Add £2 for Delivery

ACCESSORIES

3.5" Disk head Cleaner £2.99
Mouse Mat.......................................£2.25
1000 Labels £10.00
Amiga External Disk Drives......................£54.99
Primax Mouse Amiga............................£12.50
Universal Printer Stand £4.99

ADD £2.00 FOR DELIVERY

ALL PRICES INCLUDE VAT & DELIVERY (Unless otherwise Stated) WITHIN 3 DAYS (UK MAINLAND ONLY)
ADD £8.00 FOR NEXT DAY DELIVERY CALL OR SEND CHEQUES/POSTAL ORDERS TO:

GREY-TRONICS LTD, UNIT 1015 WHITGIFT CENTRE, CROYDON, SURREY CRO 1UU

SALES HELPLINE: 081 686 9973 Mail order prices only **FAX: 081 686 9974**

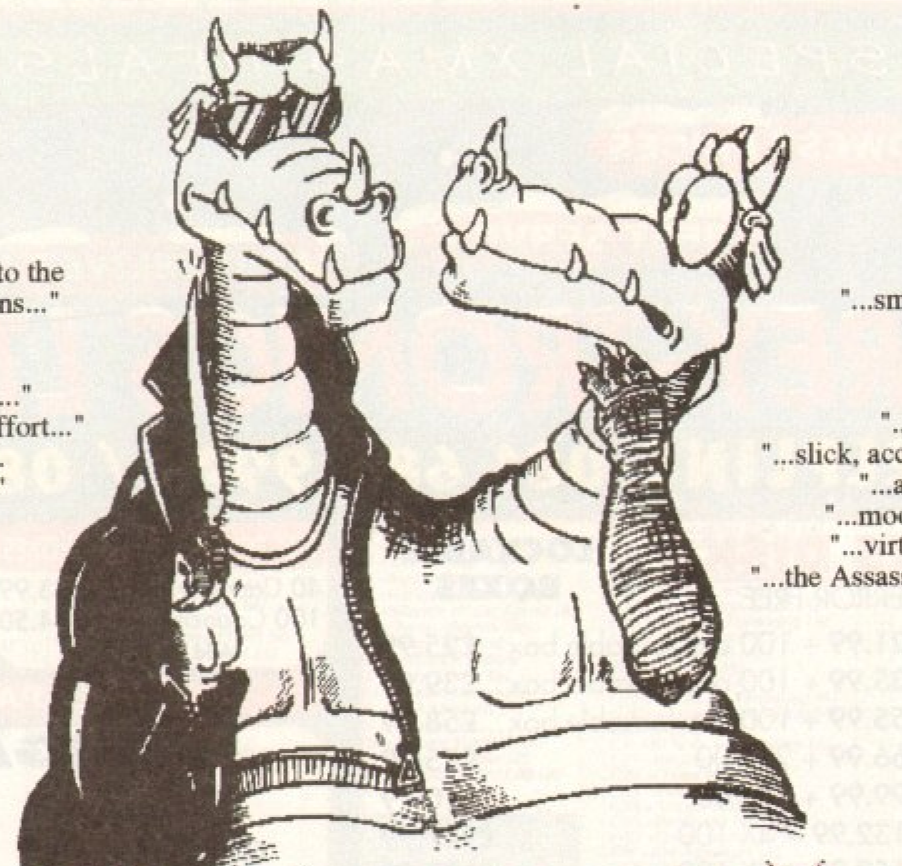
All offers subject to availability. E&OE. Prices/Pack details may change without notice due to currency fluctuations. Please allow 6 working days for cheques to clear.

VISA

SWITCH

MERRY CHRISTMAS

GREY-TRONIC



"...Special mention must go to the Assassins games compilations..."
CU Amiga

"...excellent presentations..."
"...well worth your time and effort..."
"...can only be praised...
...PD - 1, Full Price - 0."
Amiga Computing

"...brilliant..."
"...a real high flyer..."
"...a lot of fun..."
Amiga Mart

"...smooth and colourful..."
"...a new edge..."
Amiga Format

"...bloomin' good..."
"...slick, accurate...plays like a dream..."
"...a great conversion..."
"...moody and atmospheric..."
"...virtually arcade perfect..."
"...the Assassins, everyone's favourite PD compilers..."
Amiga Force.

ASSASSINS*

PACK 1

Let battle commence across a rugged landscape... Blast alien Walkers and Seekers... Hurtle through uncharted space... Halt the invaders deadly swarms... Can you escape when one false step leads to oblivion..?

PACK 2

Race through a computer-generated arena on a beam of light... Puzzle through the China Challenge... Duel against maniac drivers in a 3D landscape... Fight off marauding alien kidnappers... Solve the mysteries of a virtual reality Wasteland while time slips away...

PACK 3

Guide a heroic wizard through his daring quest... Go head-to-head in the battle-tank of the future... Speed into action against laser-spitting foes in blistering combat... Compete in the ultimate game-show, where contestants face an army alone...

• FREEPOST ADDRESS •
• TECHNICAL HOT-LINE •
• FULL PRODUCT SUPPORT •
• PROFESSIONAL LABELING •
• FREE LIBRARY CASE •
• PROMPT DESPATCH •
• SHRINK WRAPPED •
•EACH PACK CONTAINS 10 DISKS•
• ONLY £10.99 PER PACK •

PACK 4

Teasers... Brain-twisters... Cunning Conundrums... A lifetime's worth of classic puzzlers - traditional and modern... Or simply try your luck at the roulette wheel.

PACK 5

Guide your cannon-armed craft against a terrifying biological infestation... Storm an off-world colony where something evil lurks... Something *Alien*. Play the future's hottest one-on-one ball sport... Engage in the highest strategy of Total War...

***U.S.L. IS THE OFFICIAL DISTRIBUTOR OF ASSASSINS P.D. & SHAREWARE**

❑ **PACK 1** ❑ **PACK 2**
❑ **PACK 3** ❑ **PACK 4**
❑ **PACK 5**

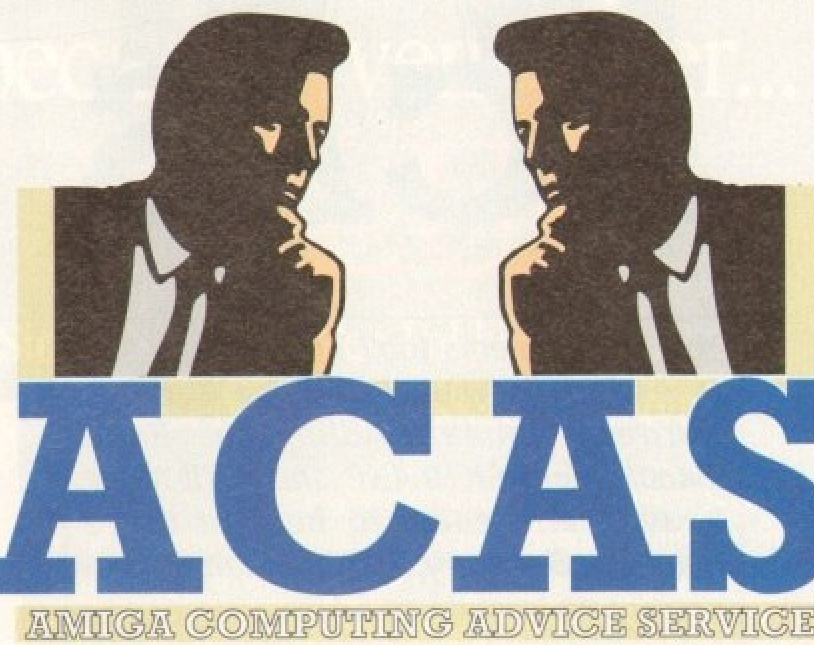
Please Tick Your Choices

Name ....
Address ....
....
....
Postcode ....
Telephone ....
Computer System ....

For more information or to place an order.
✉ Underhill Software Limited, FREEPOST DL 699, Richmond, North Yorkshire, DL10 7BR
☎ (0748) 811837

E & OE

From viruses to thunderstorms, we've got answers to all your problems, natural or otherwise, from our team of experts



Mac transfer

Q I am currently looking for a program like CrossDos that will allow me to transfer normal text files between Amiga and Macintosh formatted disks. It is very important that I can obtain such a program for my computer so I can continue work at college and at home.

If there are any programs that are on the PD circuit, shareware, or even commercial, can you please give me details? Is it possible to configure CrossDos and, if so, how?

I own two versions of CrossDos, the one on the Workbench disks and one given away on a magazine CoverDisk. My setup consists of an Amiga 1200 with 80Mb hard drive.

Ryan Morse, Milton Keynes

A *Mac drives work in a very different way to Amiga drives, so the only way you can make your Amiga read Mac floppies is either to buy an emulator such as Emplant or the commercial program Mac-2-Dos, which enables the connection of an external Macintosh floppy.*

However, a Mac floppy drive will cost you over £100, so why not just use CrossDos? The Macintosh can read PC disks, as can the Amiga, so to save a lot of money you could just use 720k MS-DOS disks as go-betweens.

If the Mac in question uses the System 6 operating system, it should have a utility called Apple File Exchange, which is used to read and format PC disks or copy files to and from them.

If the Mac has System 7, you can format PC disks from the desktop, but make sure you do this on the Mac as System 7 has a particular way of formatting the disks and will sometimes refuse to recognise a PC disk from another machine.

Bad sums

Q I have recently returned to the wonderful world of the Amiga home computer by purchasing an A1200 complete with 85Mb hard drive. Up until yesterday things were going great but now I have a problem.

My hard disk is divided into two partitions, one which houses Workbench, called System3.0, the other called Work which stores everything else. Whenever I click on the Work icon it opens OK, but also displays the following message:

```
WORK HAS A CHECKSUM ERROR ON DISK BLOCK 90758
```

After cancelling the message the machine seems to perform the same as it did before the message started to appear. Please can you tell me what the error means and how to fix it?

Stephen Reid, Ellon

A *A checksum is a number which is appended to a block of data on disk, and is the result of a standard calculation carried out on the data held in the block. This sum is used as a reference to check (geddit?) the data and make sure it isn't corrupt. The error message you have been receiving merely tells you that a minor fault has developed with the data on one small part of your hard drive. Use Quarterback Tools from the December issue CoverDisk and choose the repair damaged volume option.*

Quarterback will scan the drive until it finds the bad checksum, then attempt to recalculate it. If this is not possible, the data block may be deleted, which will mean deleting the file which was held there. C'est la vie.

Oh, and remember that you should never, ever use a disk repair program on a hard drive which is showing no symptoms of sickness. I mean, would you take your car's engine to bits just to try out a new socket set?

Plates of jelly

Q I recently had a problem with my A500's floppy drive which the local computer shop diagnosed as (probably) a faulty chip called CIA. They subsequently offered to fix the fault for £47. This is too much for my pocket, so I decided to buy the CIA chip described by the engineer and fit it myself. However, having opened the Amiga for the first time I was seized by an attack of nerves. For all I knew it might as well be full of plates of jelly and ice cream. Do you have any advice on what I might do to locate the correct chip and set things right?

J Allen, Alsager

A *It sounds as if you are unsure even which chip you are replacing, and unless you can be sure it's best to leave it to the engineer you first spoke to.*

If you insist on doing this yourself, confirm with the shop that you have the correct CIA chip (there are two of them, CIA-A and CIA-B), and use the old screwdriver method.

This involves carefully levering the chip out at both ends using a small flat-bladed screwdriver and is easy enough, if a little daunting when first tried. Carefully insert your new chip and put the Amiga back together again, then cross your fingers and turn it on.

You can't damage anything other than the CIA chip itself if you inserted the wrong chip, but as you've already paid for this it might be wise to have the engineer finish the job for you.

Net nightmare

Q I am looking for a solution to a problem I have in transferring files between an A1200 and a 486 PC. So far I have been using Windows Terminal and an old Amiga comms package called Access.

I transfer large files (sometimes up to 30Mb) and although the method works it is almost non-viable due to the slow transfer speeds I can use. I use 19,200 baud and I'm sure I can transfer at 115,200 using Laplink 3 or 4 on the PC and a similar program on the Amiga.

The problem wouldn't be so bad if I could transfer the file in one go, but an unfortunate quirk in Access means it crashes if you select a directory that has a file larger than 999k within it, so I have to break the file down using Splitz and transfer it as a series of 1Mb chunks. This is a nightmare.

Please can you advise me on the package or combination of packages I am looking for, or suggest a better way of going about things?

Stephen Davies, Wolverhampton

A *The first thing you should do is dump the comms package you are using and either lay your hands on a newer version or get hold of one of the other packages such as JRComm or NComm.*

You should be able to transfer files of any size at almost 60 kilobaud if you have a modem with good error checking, and should not have to break files down.

If this isn't good enough, try a networking solution. A new PCMCIA Ethernet card has been launched by Californian-based Interworks. Dubbed the I-Card, you should be able to use this to connect the Amiga to the PC using a suitable PC Ethernet card and some decent software.

Transfer rates for Ethernet running through the PCMCIA slot won't be much above 300k per second at best, but this is a hell of a lot better than using a modem, if more expensive.

You can phone or fax Interworks on (0101) 909 699-8120 for more information, or keep an eye on this magazine for a forthcoming review.

Amos answers

Q I have a few questions on Easy Amos and the difference between it and the rest of the range. I hope you'll bear with me.

Does the Easy Amos package contain both disks and a manual? If I buy the Easy Amos package would I still have to buy a compiler or would it be immediately ready to run?

Is there any difference between Easy Amos and the Amos Professional package, or once I understand Easy Amos will I be able to understand or graduate smoothly to Amos Pro?

I hope these questions are not considered a menace, but as an Amiga owner of only two months I am desperate to be weaned off games. Finally, if I buy Easy Amos, will I really need to buy *Mastering Amiga Amos* or could that be done in the distant future once I have a working knowledge?

Friend in need, London

A *Easy Amos is a perfect way to start on the Amos trail, and has ample manuals with on-line tutorial help to gently ease new users into programming with the language. You would still have to buy a compiler to create stand alone programs, but Amos also has a utility called Ramos which will enable programs to be run from their own disks.*

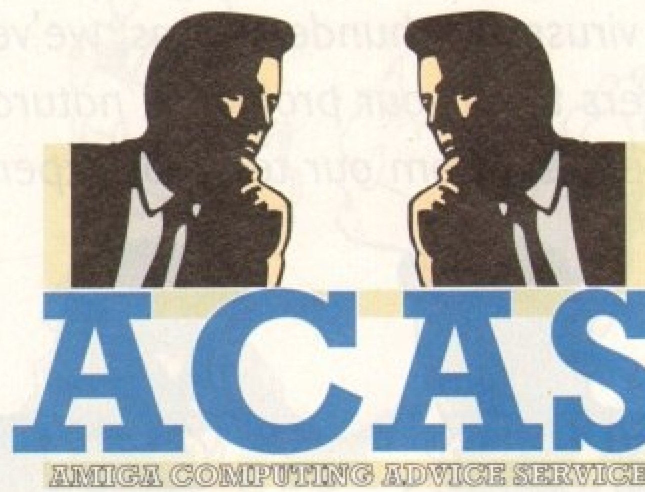
This isn't as fast and smooth as compiling a program, but Ramos at least makes it possible for users to release their stuff through the public domain. There are a lot of differences between Easy Amos and Amos Pro, but these are mostly to do with the latter's extra commands and facilities.

You should find no difficulties in moving from Easy Amos to Amos Pro once you've mastered the basics. If anything, this is the

➤

recommended route for those who wish to take it slow and easy.

Lastly, you won't need another manual immediately, as the Easy Amos manual is quite good enough. Once you feel confident with Amos, though, there are a few very good programming guides, and there's always the Amiga Computing *monthly Insight column.*



You got problems too? Then drop a line to Amiga Computing Advice Service, Europa House, Adlington Park, Macclesfield SK10 4NP and we'll move heaven and earth to help in these columns. But sorry, we cannot reply personally, so save those SAEs.

Choices, choices

For Christmas my parents plan on getting me a new computer to aid me in my work. I was thinking of an A1200 with 85Mb hard drive, but my parents think I'd be better off with a PC 486sx because of its high quality of business software.

My current Amiga software includes PageStream 2, Wordworth 2, and Protext 5.5 and I use my A500 for business and leisure. I would be grateful if you could advise me on which machine to buy.

After reading numerous comms sections I would like to buy a modem to communicate with other modem users and bulletin boards. I was thinking of buying a Supra Fax modem (2,400bps) or a Supra 14,400 baud model. I plan on using the modem about twice a week to download about four utilities or less each time and upload a few.

Could you recommend one of these two or even suggest another modem? Also, does NComm have an archiving and de-archiving utility? Thanks for answering my questions.

A Chang, Wimbledon

The choice of which machine to buy is one you'll have to make after long hard consideration, but the A1200 is a better bet on several counts. First of all, the software is much cheaper, particularly office software, and as long as you don't plan to run a large company's accounts and stock control on the machine, the Amiga is fine for business.

Modems should be less of a problem if you read our survival guide and round-up on this subject a few months ago, but you still seem a little confused. The Supra Fax modem is available in two models, the more expensive of which is a v32 bis unit capable of 14,400 baud.

This is the slowest modem we can recommend for regular comms work as a cheaper and slower modem would make a big difference to your phone bills.

As for NComm, this is a splendid comms package, and you should be able to get your hands on the latest version of the Lha archiver when you first log on to a BBS. Friendly front-ends for complex archivers do exist, Lharca being one example that springs to mind, so you should have no excuses for not using one.

Small screen

I own an A1200 and an AOC multisync monitor. Usually, I use the double PAL hi-res no flicker screen or productivity mode, but I have been unable to find any way to use the whole of the screen.

I know how to use overscan prefs, but even with these at their maximum I am still left with about two inches of space on the left and one inch on the right. Is there any way to utilise this extra space?

Obviously I am aware that I can alter the horizontal picture size of the monitor, but I gain no extra actual screen space doing this. I also use a PC from time to time and this seems to be able to use the whole screen.

Surely the Amiga isn't inferior?

Craig Thompson, Orpington

You should have mentioned the AOC's model number, as it is possible you have a standard SVGA monitor and are mistakenly referring to it as a multisync.

The standard AOC 14in model is happy with both double PAL and productivity mode, but these are often just approximately close to the monitor's normal operating mode rather than bang on.

You will always suffer from a certain amount of edging on a monitor screen, but two inches sounds a little over the top, inviting the conclusion that the Amiga's signal isn't quite to the monitor's liking.

Try using the VGA-only monitor driver, but if you get no joy out of this then there's little you can do except start saving for a true multisync or swap your AOC for a 1942.

Stats freak

I am working as a safety engineer at a small pottery in Stoke on Trent and we've developed a simple heat monitoring system which presently runs on a clapped-out old Amstrad PC.

Briefly, the system comprises of a dozen heat sensors hooked up to an IEEE serial port card which feeds constant data to a program we had written for us a couple of years ago.

This keeps track of the heat changes within our kilns and reports on a variety of areas such as average temperature, latent heat build up, and so on. I now discover that the program is a simple little thing which I can recreate on my Amiga 1500 and would like some advice on the best way to go about this.

Will I need to use machine code, and will the Amiga be able to use the PC's interface card?

George Foley, Stoke on Trent

The IEEE card you mention, if it uses the ISA PC bus, should work perfectly in your A1500's PC slots, and you should be able to write a routine in C to address the ports so long as you have the relevant information from the card's manufacturers.

If the heat monitoring program is as simple as you say, you should be all systems go, but remember to thoroughly test the program before switching over to the new system.

The art of programming is 99 per cent perspiration, and complete bug-testing is a must when the program is going to carry out such a vital job.

Tardy drive

I have an A3000 fitted with an old Maxtor 105Mb drive I got second hand, and for most of the time the drive works well. However, on a cold boot the machine seems to wake up before the drive, and I have to warm re-boot again to get the hard drive to boot.

Is there a problem with the drive or the A3000 SCSI interface? I have never before seen a hard drive do this and I live in fear that it will one day go pop and take my work with it.

Once booted, the drive is fine, and I've never had error reports, but could there be a disaster waiting around the corner for me?

Lee Billings, Braintree

Your hard drive obviously has a few problems waking up in the morning, but there seems to be little to worry about. If a warm re-boot is fine and you've had no errors or lost data, it could just be that this old drive takes a second or so longer to unpark the heads, power up to speed, and report itself ready for duty than the A3000 can wait.

For safety's sake, make regular backups of essential data and keep and eye open for the first hint of problems.

Cracking the colour code

As a new Amiga owner, I was delighted when I first booted ProPage 4 and created my first full colour layout, especially as I knew I could make some money this way.

A friend of mine has a small restaurant and asked me to design and print some colour leaflets about his special Christmas dinner menu. I said OK, went to work, and had him approve the designs on my monitor screen before printing them at a local bureau.

However, when the 500 leaflets were delivered a few days later the colours were all wrong, particularly anything with red in it. I checked the PostScript output specs, confirmed that I'd chosen the right colours, and everything seemed fine, so why the big difference?

I hope you can sort this out, as I hope to develop it into a regular sideline.

R Savage, Edinburgh

Colours shown as points of light on a glass screen are, unfortunately, very different from those same colours when sitting on a piece of duller paper reflecting the surrounding light.

The difference is one you can really only learn by experience, and it is only with a great deal of practice that the DTP professional picks up expertise in this sort of area.

There are, however, some things you can do to make things a little easier to start with, the most obvious of which is the Pantone colour system.

This has been specially designed for spot colour jobs and gives you the opportunity to tell the print bureau exactly which shade of ink you want by selecting it from a colour chart.

ProPage 4 supports Pantone colours, so you should use these if you have a specific needs for a particular shade of red.

The Best Selling Word Processor and Database just became even better...

VALUE!

Since its launch, Pen Pal has become the most popular package of its type

Not surprising when you consider the extensive features at your fingertips, combined with user friendly simplicity, it was bound to be a winner! In a comprehensive Word Processor test, Amiga Format commented "There is little to fault Pen Pal, it deserves to do well" - quite a prediction it seems! Format have since said that it's "Still the best value for money..." If you're not a Pen Pal user yet, we hope you soon will be, because at just £49.95... the best just became better, even better value!

Pen Pal

A superb package, with immense power, to fulfil all your Word Processing needs, and... with an integrated Database too! It's all so easy to use, you'll rarely need to refer to the extensive 250 page lay-flat spiral bound manual. Users frequently tell us that they've never found a program they get on with so well.

THE WORD PROCESSOR: You can... Open multiple documents simultaneously; search and replace; cut, copy and paste; check your spelling with a 110,000+ word dictionary; import your favourite IFF/HAM graphics, from programs such as DPaint, or Clip Art files in various sizes and colours; automatically flow text around graphics in any Workbench compatible font (there are over 200 available styles) in different sizes and colours to suit your design... Even as you type! Full Page View with position, edit and creation of graphic objects and extremely useful forms designer. All this from a word processor and... Much, Much, More! As you can see from the documents shown on the left, this is no ordinary program!

THE DATABASE: With 32 fields per record, 32,000 records per database and a fast sort of 1000 records in less than 5 seconds, this is a *real* database. Mail merging into the Word processor couldn't be simpler, with easy creation of templates for letters or reports, into which information can be merged.

AND... Remember, Pen Pal comes with full support for the new or experienced user completely free! Friendly help for all registered owners is just a phone call away.

SoftWood - Quality software for your Amiga

*With Pen Pal you're not just getting a one off product! SoftWood are acknowledged as the World's leading software company who develop **just** for Amiga and **no other** system. Once you're a registered SoftWood product owner your investment is protected as you'll have access to unlimited free technical support [others charge you] and preferential upgrades to other SoftWood titles, both existing and future. Exciting new products are being developed right now. Pen Pal - your first step on the SoftWood ladder of Amiga software*

Pen Pal is available from all good Amiga software Dealers or from SoftWood. Call for your list of stockists.

SoftWood Products Europe
PO Box 19 Alfreton
Derbyshire DE55 7RW England
Tel: 0773 836781 Fax: 0773 831040

Pen Pal is compatible with any Amiga from A500 to the latest A1200/A4000 ranges with a minimum of 1 Mb. available free memory

Art to heart

Phil South looks at all the best painting and art programs for the Amiga, and some of the tools which drive them

If you own an Amiga you'll be interested in graphics is some shape or form. It's inescapable, as you look at the many beautiful images on your screen and on the pages of your favourite Amiga magazine, you can't help but enjoy good quality high resolution graphics.

You may be content with looking at those which have been created by other people, but sooner or later with all that graphics power in your grasp you'll get the bug and want to do a little bit of your own graphics magic.

The Amiga has always been particularly well served as far as graphics packages are concerned, but although it's always had real state-of-the-art graphics programs for you to run, it's only been in the last two years that graphics on the Amiga have really come of age.

True Colour or 24-bit cards are really in full swing now, and what with the OpalVision, Harlequin, Picasso, Retina and GVP's IV24 and EGS Spectrum cards all coming with their own graphics programs, you are really spoiled for choice as to which you should go for.

Having said that, apart from TVPaint and OpalPaint most of the free graphics programs which come with hardware are pretty slim on quality.

With the new AGA Amigas like the 1200 and 4000 came a new graphics power in the form of the two new graphics modes, Register mode and Ham8, which give you 256 or 262,000 colours to play with. I defy anyone to tell the difference between a full 24-bit picture and Ham8 at a moderate distance.

So the time has come for a long hard look at graphics on the Amiga, and in particular all the bitmapped painting packages you can buy.

Bitmapped graphics are fundamental to the way a computer screen works. Each coloured dot on the screen is defined by a series of "bits", or digital locations inside the Amiga's memory. The bits form a "map" or pattern across the screen, telling the computer where each dot is and what colour it should be.

In order to create graphics on your Amiga you need to buy a graphics package.

If you're lucky then one came with the computer when you bought it, but if not then I'm afraid you've got to put your hand in your pocket again.

And incidentally, don't automatically pass up any "old" or second-hand graphics software you see around, as it might be OK, and may save you hundreds of pounds in graphics tools. For an idea of what second-hand bargains you can expect look at our "Bargain Basement".

Deluxe Paint 4.1 / 4 AGA

Electronic Arts
No price

This is the great granddaddy of them all. The thing about Deluxe Paint is that it was written early enough in the life of the Amiga to become the standard by which the programs which came after it, ie. all of them, were measured.

This shows itself in that in any graphics program you can mention, the same keyboard short-cuts as Deluxe Paint apply, and features (even button icon designs) have been borrowed from DPaint's system to make newer programs look familiar. This means that once you've mastered Deluxe Paint you will be at home with almost any graphics program on the Amiga. Although not really available on its own at the moment, being a key part of some of the serious bundles this Christmas, the program is well worth getting hold of by any means you can, as especially in AGA is it easily a match for low-end 24-bit programs and enhanced HAM mode devices like those in our bargain bin.

The program is long overdue for major revision, especially with the likes of Brilliance taking up any slack between standard paint programs and the 24-bit crew, but it still manages to keep its head above water.

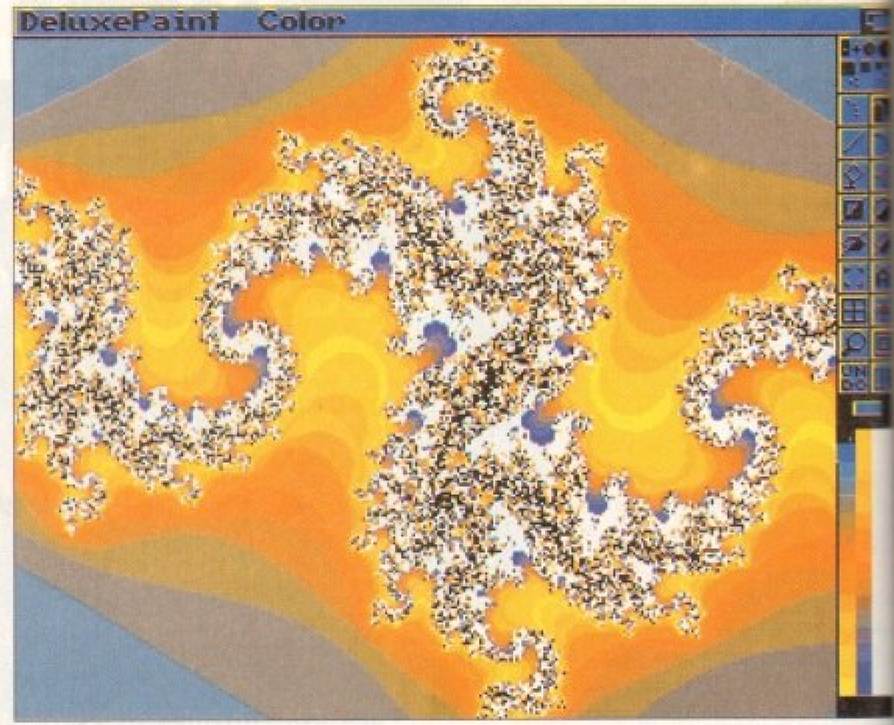
All the most recent versions of Deluxe Paint handle animation as well as stills. The interfaces are very simple, and to step between frames you use the 1 and 2 keys on the top row of the keyboard.

This means you can draw with your right hand on the mouse and flip the pages back and forth with your left. You can even flip screens between the point you click the start point of a line or shape and when you click the end point.

For even more precise alignment the program also includes a lightbox facility, enabling you to see the previous frames in a sequence, making it simpler to match what you drew before with subsequent frames.

Until you've tried Deluxe Paint you really aren't going to know what you're looking for in a graphics package.

So it's really not so much a question of: Are you going to buy Deluxe Paint or another program? It's: What program are you going to buy as well as Deluxe Paint?



A fractal fantasy as DPaint gets to grips with countless colours from the AGA chipset

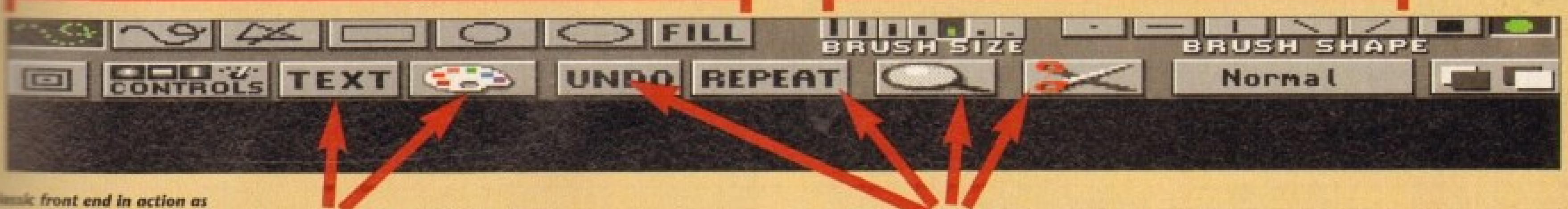
Brilliance

Digital Creations
£199

A new contender for the Deluxe Paint standard, and a very good one too, is Brilliance. The forerunner of this great program was DCTV Paint, also by Digital Creations, as part of the DCTV device. The new program bears only a passing resemblance to its forebear. Brilliance is an almost professional quality paint and animation program with the ability to animate and paint in up to 256 colours



Perspective effects in seconds courtesy of Digi-Paint



A classic front end in action as DigiPaint is put through its paces

AGA reg mode in fact), but also with a special HAM version of the program called TrueBrilliance you can also edit and create True Colour 24-bit images.

This is all done without an expensive 24-bit card to hand, and to a certain extent you are handcuffed by the limitations of HAM. OK, so Ham8 is really very close to the real thing, but regular HAM mode, even interlaced, is pretty much touch and go.

This is a program best used on an AGA machine. The price is justified by the facilities and the speed with which they operate. It's a good program, but unlike so many others it's fast too.

You can do pretty much all the things you can do with Deluxe Paint and even some of the things you can do in OpalPaint and ImageFX. The quality of the end result is better than what you see on your screen in 24-bit mode, as the program works in 24-bit under the hood, and what you see is only the best rendition of the real image that you can get on your particular system.

The animation settings are very sophisticated having more in common with a high end 24-bit program or even a ray-tracing suite like Imagine or Lightwave. You can tween characteristics over time and make some very special effects. There is a morphing feature but it's more like the Deluxe Paint version of morphing than a replacement for the more professional Morph Plus or Cinemorph.

This is certainly a very sharp contender for the best graphics program of this year, especially as OpalPaint (the only other program I really like a lot) was actually last year's big hit.

OpalPaint 2.0

Silica Shop £499

Although comparatively new to the Amiga scene, the OpalVision board has cut a nice little niche for itself. It's a great 24-bit card, and although there are a lot of promises of Video Modules (real soon now!) this is not the card's strength. It has one of the easiest to use 24-bit paint programs on the Amiga, and now discounted it's almost as cheap as the old DCTV unit.

The 24-bit quality on the screen is very smooth and clean, and like most programs which come with some kind of display enhancer, the new display makes the program look good. But OpalPaint is a very useful and clever program. It's been through more revisions than a best man's speech, and it's possibly the most finely tuned program of its type as a consequence of that.

Sure some people will still complain it doesn't do this, that or the other, it is still a very potent force in the 24-bit paint market. Updates to all facets of the program and the hardware are available on-line on an almost weekly basis.

The program can be a little slow if you don't have any kind of acceleration. This is particularly noticeable on the spray can function and anything else where the screen needs to be re-drawn. 2Mb of chip RAM is almost essential once you start getting into professional style work.

The screen sizes you can work at will be severely restricted if you don't power up your machine with a faster CPU and more brain in your Chip memory. It's a bit like salmon fishing through a keyhole.

Although not so good for creating game graphics like Deluxe Paint does, it's the bee's knees for True Colour graphics creation or for video work. It has the added bonus of being able to save in Jpeg format to save space on your drives, but of course this is not to be recommended for high quality images.

And of course you'll have to wait a while before you can use the OpalVision frame grabber, but that's just a minor detail. I don't care when the modules come along. If they do it'll be a bonus, but I'm not holding my breath.

TVPaint

Tecsoft • £600

TV Paint has been the graphics engine of choice on a number of 24-bit cards on the Amiga. First it was the Harlequin, then AVideo, and then it popped up on a few others. This program runs on two screens, one for the Amiga, for menus and the like, and one for the display card on which the real time 24-bit graphics happen.

The program is getting on a bit now, and although the quality is very good it is very expensive, putting it out of the running as far as most people are concerned. It is, however, simply the best than you can get for a variety of reasons. Unfortunately none of these have a bearing on the price. Version 2 has a lot of new bits added to prevent the age of the program showing in a lack of modern features. So now it has perspective, for example, just like all the other programs.

The menus are easy to navigate and the quality of the output is second to none.

➤

Hardware wars

Tablets

Apart from the mouse, what other graphics input options do you have? Serious options like TV Paint have drivers for Wacom graphics tablets, that much we knew about, but also you can get tablet drivers for OpalVision too.

This is handy for artists who have a bit of trouble converting the moves they would make on a page into mouse moves on an upright monitor screen. For the tight of pocket, Deluxe Paint v4.6 also supports pressure-sensitive stylus and tablet input.

Scanners

Where scanners really start to kick ass is when you get over the £500 mark – then you start to see some really professional items, and not just the hand scanners but the flatbed ones too. These are sort of hybrid computerised photocopiers really, with no paper trays to change and no toner cartridges to refill.

The PowerColour Scanner (Power Computing £239) supports 4,096 colours and scans at resolutions of 50 to 400 dpi. There are versions available for the A500 and the A2000 with the A2000 version having its own little Zorro-shaped adaptor board.

The Powerscan v3.0 software enables you to digitise full 12-bit images, which are stored in 12-bit internally so no quality is lost when displaying as HAM. The software supports both Workbench 2 and ECS screen modes.

By way of opposition, there's also the Migraph Colourburst at £399 and the AlfaData AlfaColour at £299. Many other black-and-white hand scanners are available for upwards of £99. Obviously you then have to colour the images in, but that's half the fun isn't it, join-the-dots fans?

Then there's the Epson GT-6500 (£799 plus £110 for driver software by ASDG) which scans in 24-bit pictures in resolutions as high as 1,200dpi (with special software interpolation).

For colour DTP there's no short cut to this kind of quality. OK so you could get yourself a good 24-bit video digitiser, but the results will always be fuzzier and in almost every way inferior to a flatbed scanner.

Digitisers

The VLab YC is the best I've used (MacroSystem £299). It's a half height Zorro card and as usual with Zorro cards it fits into any slot you've got spare. The card grabs a full frame of colour video when the grab button is pressed on the screen using the mouse, and this works best when the video is in motion.

Once the frame has been grabbed, the YUV image can be saved, or the frame can be previewed in HAM colour, or 16-colour greyscale, or you can send the image directly to a Harlequin card for the best quality of image.

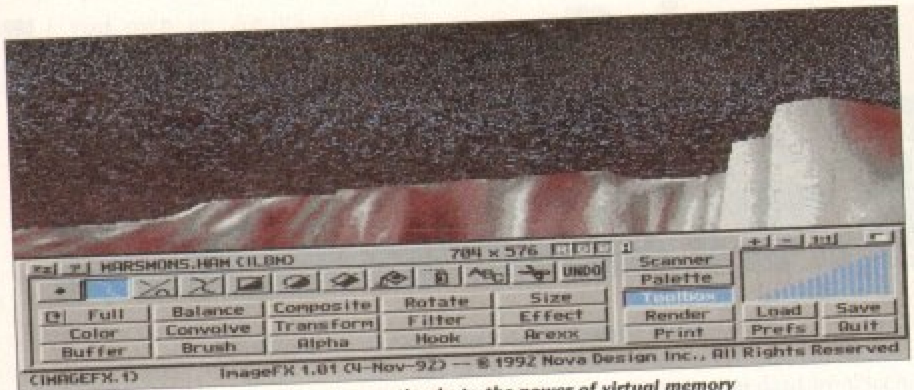
The DigiView unit supplied with the MediaStation package is the oldest and most used digitiser on the Amiga, as it was the first out and was in fact the only one on the market for quite some while.

You use it with a black-and-white video camera mounted on a tripod, and hold coloured filters over the lens to scan manually for the RGB components of a colour picture. Although not really holding its own among all the new units, it's still a bargain, especially second-hand.

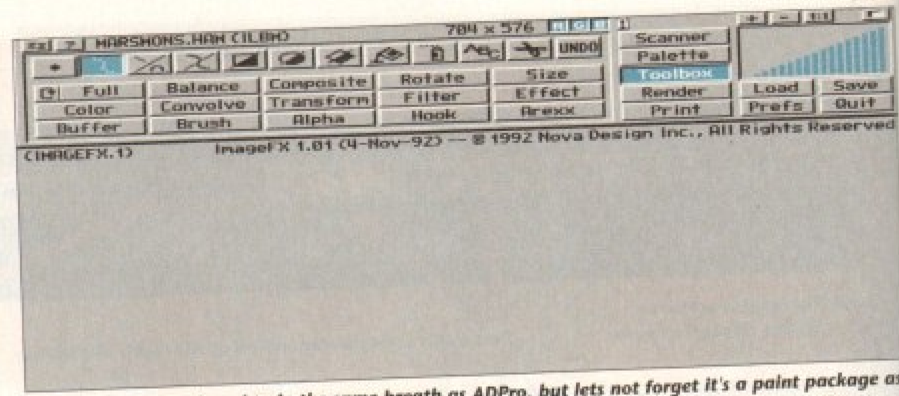
New units from Rombo look to be about to change all this, the Vidi (12) and VIDI (24) RT (Rombo £199 and £299). Rombo have been in the digitising game a long time, since before the Amiga was a project box called Lorraine.

The VIDI 12 unit is based on the old basic mono VIDI Amiga, although now the unit also has the RGB Colour splitter built in to it rather than being separate.

The new VIDI 24 is full 24-bit grab and save, with both these new units doing the job in real time on moving video the same way as the VLab. The main difference is that the VIDIs will work on any Amiga with a parallel port, whereas the VLab needs a Zorro slot.



Add the finishing touches to a huge image thanks to the power of virtual memory



ImageFX is often referred to in the same breath as ADPro, but lets not forget it's a paint package as well as an image processor. If you're looking for an all-rounder that will grow with your need it's well worth the extra investment

OpalVision looks flickery and imprecise by comparison. This is the professional end of the game and you don't really want to know about it unless someone else is paying.

Image FX 1.5

GVP • £199

Although primarily a treatment engine for graphic effects on already existing images, you can edit quite extensively with ImageFX. Although this is primarily a competitor of Art Department Pro v2, it can in fact act more like a paint program if need be, although for the creation of graphics you might want to look elsewhere.

It is a very powerful 24-bit file manipulator, and if you want to have an Amiga version of Adobe's Photoshop, ImageFX is the package that comes closest to that. Not only can you manipulate images but you can convert them to BMP, DPII PC, Impulse RGB, GIF, JPEG, PCX, PPM, PMG, Rendition, Targa, DCTV and HAM-E.

The animation side also converts between ANIM and PC formats FLI and FLC. The program also supports a number of input devices like scanners directly from the user interface.

The program also does morphing via Cinemorph and a number of other mind-boggling effects. ImageFX is not to be seen as a replacement for any of the programs on offer here, but could be seen like Deluxe Paint as a standard tool in the arsenal.

Bargain basement

HAM-E
(Black Belt Systems)
A forerunner of the AGA graphics modes, providing 256 colour and 262,000 colour Ham-E modes. A built-in graphics editor never got past the beta stage and was anyway surpassed by Image Master, which eventually became a separate release.

Other programs which supported the unit came and went, like Spectracolour HAM-E and HAM-E workshop. These are nice units if you can find them, if a little tricky to get set up.

DCTV
(Digital Creations)
Before Brilliance came along, there was DCTV Paint. The DCTV was a combined painting and digitising unit which boasted real 24-bit, which of course it wasn't, really, it just looked like it. A bit like AGA I guess. The unit had three plugs on the back, one which plugged into the RGB socket on the Amiga and had a pass through directly to an Amiga monitor. The output from the DCTV was sent to a composite TV monitor (or the video in socket of a domestic video recorder).

Personal Paint

Cloanto • £59.99

Although UK distributor Micro-Pace recently vanished, this excellent program is still worth a look if you can get hold of a copy. Although strictly limited to 256 colours on an AGA machine, it shouldn't be written off completely as 256 colours is actually quite a lot!

PC paint programs have got by on this much colour for a long time, and the material you can produce is very colourful, and very precise, lacking HAM or Ham8's capacity for fringing or bleeding.

However this is all the program does, so if you want something a little bit more flexible, then something like Deluxe Paint or Brilliance might be more appropriate, depending on your budget. This program is also available in a reduced version with the new Picasso display card.

MediaStation

NewTek £139.95

The graphics engine of this DigiView based graphics/presentation pack is DigiPaint 3. An old program now, it still has something to offer. It's HAM only, coming from a time when there weren't actually that many HAM paint programs.

All its work internally is done in 24-bit, and so the results are very smooth. It's particularly good at treating digitised pictures, which is not surprising as DigiView, also by NewTek, is also supplied with the package.

Jargon buster

64 halfbrite A hardware trick which doubles the amount of colours available in lo-res from 32 to 64.

AGA Advanced Graphics Architecture. A new graphics standard on the Amiga 1200 and 4000 allowing 256 colours on-screen in standard modes and 262,000 in Ham8 mode.

anim A compressed animation format, that stores the differences between frames rather than the whole pictures.

anti-aliasing Smoothing method used in computers to blur the transition between sharp edges and background colours by using intermediate colours.

chip RAM The amount of memory available to the custom chips, usually the first 1Mb (or in some cases 2Mb) of memory. 2Mb is needed for some 24-bit graphics operations, and this can be added to Amiga which don't already possess it.

fast RAM Expansion memory, up to 8Mb on standard Amigas, and more if the machine has a more advanced CPU on board, like an 030 or 040.

GIF A compressed file format used by CompuServe.

HAM Hardware trick to give you 4,096 colours in lo-res and lo-res interlace.

hi-res Up to 16 colours, but more horizontal resolution so size is more like 640 x 256.

IFF Short form of Interchange File Format. All types of Amiga files are interchangeable between programs, like IFF ILBM files are pictures, IFF ANIM files are animations. Created by Electronic Arts and Commodore Amiga.

ILBM Short for InterLeaved BitMap. The bitmap graphics IFF standard.

interlace Doubles the vertical resolution by alternating two sets of 256 lines very fast, giving you a slight flickering effect. Usable with both hi-res and lo-res, and doubles the vertical resolution, so lo-res becomes 320 x 512 and hi-res becomes 640 x 512.

Jpeg A compressed file format used for 24-bit pictures, which are about a sixteenth of the original size in most cases.

lo-res The basic Amiga graphics format. Up to 32 colours and 320 x 256 pixels in size.

overscan Usable with all Amiga resolutions to take the image to the sides of the monitor or TV screen. A mode for video users to enjoy.

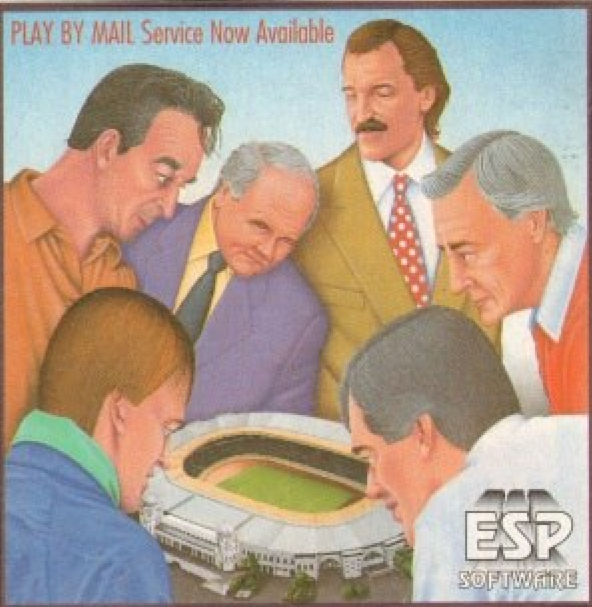
pixel The dots which make up a TV or computer screen.

resolution The amount of pixels you can fit horizontally and vertically onto a monitor screen. The Amiga has many different graphics modes. *(See lo-res, hi-res, interlace, HAM, 64 Halfbrite, super hi-res and overscan.)*

super hi-res Mode made possible on Amiga's with the ECS chipset. Doubles hi-res resolutions. Also usable with interlace.

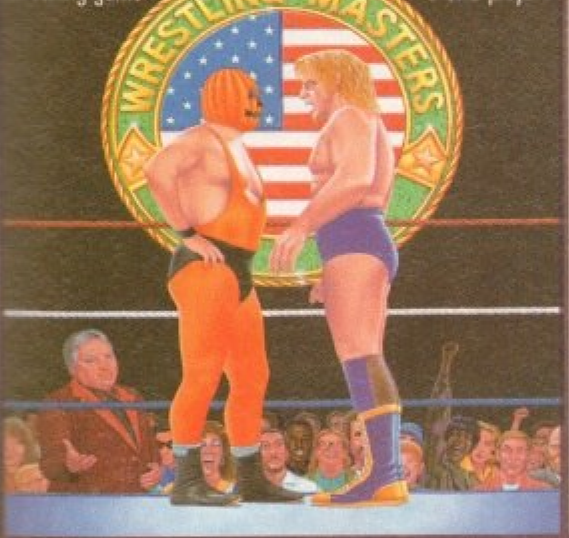
PROFESSIONAL FOOTBALL MASTERS VERSION 4

Quite simply the best Football management game for your computer.
We have served thousands of satisfied customers during our 4 years of trading. Over 10,000 man hours (during 5 years) has been dedicated to the production of this constantly improving game. It is one of the most realistic and accurate representations of a professional football managers annual challenge to tactically out wit and conquer every opponent.
Managers : 1 to 4 Human players, Ratings, Performance statistics, sack and offers. 3 Difficulty levels, Manager of the month and season awarded, Pools, Pick any team in any division to begin with.
League & Cup : Premier 22 teams, Division 1,2 & 3 have 24 teams, Play-offs, Tables. 7 Cup competitions with precise rules (2 legs, extra time, away goal rule, seeded draws, European Cup tables, 5 subs, non-domestic player restrictions etc.), Finalist route to glory.
Games : Yearly fixture/previous list, Week fixtures/results, Results from previous meeting with opponent (goes back up to 6 seasons).
Players : Real life statistics reflecting the start of 93/94 season with real positions, height, age. Live transfer market, Contract & wage negotiations, Preferred foot (left/right/both), Loans, Injurias, Training, Special talents, Trainees, Goalkeepers (separate skill categories), Defenders, Midfielders, Attackers & Utility, Retirements, Foreign transfers, Unhappy players, Top 10 Hot shots.
Team : Training, Tactics (15 different styles), Aggression, Formation allows specific player field settings (Left winger, Sweeper etc.).
Club : Sponsorship, Ground improvements, View opponent, Finances
The Match : Real time scoreboard reporting goals & injuries yellow/red cards, Sound effects, Interventions permitted at any time to change tactics, formations and make subs. Physical graphical penalty participation (optional). Over 80 different referees.
Other : Fast load/save, Printer access, 20 Options to set various game preferences, Instruction book, Easy to play, Technical support.
Plus : Over 100 other meticulous refinements impossible to list here.
Editor : Allows you to amend various items in saved games. £12 Extra
Scottish : Dedicated version details available upon request.



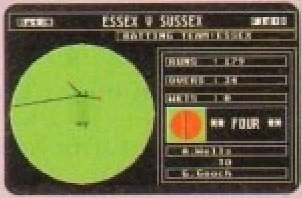
EASY TO PLAY Animated Wrestling game

Joystick or Mouse. 1 or 2 players



CRICKET MASTERS

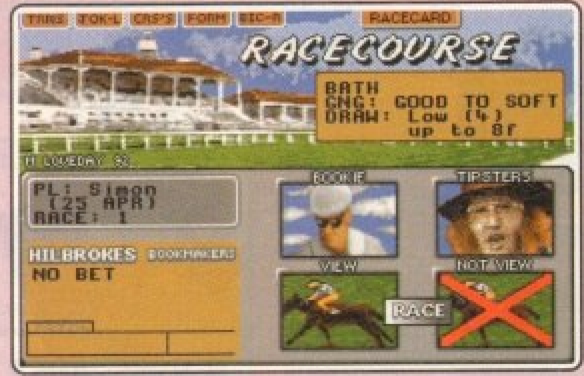
This is a purely managerial cricket manager game that concentrates on strategy and includes plenty of relevant statistics. The game has been designed and developed by a true fan of the sport. It replicates everything that a real manager has to contend with and it's a totally unique production that anyone with an interest in Cricket should experience.
A summary of the main features is shown below:-
- AXA EQUITY & LAW 18 league county teams, 50 overs per game.
- 4 Cup competitions including Benson & Hedges, Nat West.
- 20 different match umpires with accurate names and strictness.
- Accurate player details Surname, height and age.
- 27 different player attributes. Most skills have a direct impact on the effectiveness of each individuals actions during a simulated match.
- Easy player selection. All game text is clearly presented.
- Batting and bowling averages. Top batting and bowling tables.
- 3 Different training intensities to boost batting, bowling or fielding.
- Weather, pitch and light often make an impact on ground condition.
- Full match highlights let you watch the action ball by ball with full graphics and/or realistic sampled sound effects for significant events (Fours, Umpire decisions, etc.). Interventions are permitted at any time to change batting tactics or fielding placings.



- 3 Batting/Bowling classifications (Normal, Attack and Defend).
- Choice of 15 different field placings.
- Full scorecard results with best batting and bowling figures.
- Other staff (Physio, Groundkeeper, Scout) can be hired and fired .
- Annual league fixtures listing. Current week and last league results.
- View current cup competition draws and historic records.
- Real time transfer market. Player contract and wage negotiations.
- Sponsors, Printer access, Finances, Poor ground fines, Manager rating.
- 15 Options to alter game preferences, Load/Save game.
- Instruction book with plenty of examples.
- Plus many more fine details that we are unable to list here.

STABLE MASTERS V2

This game has been designed to be as close to real racing as possible. Five years of development by a clever racing expert has led to the second revision of this Flat Horse Racing Simulation.
Up to 4 players can participate as Owner Trainers with the primary objective of becoming the top rated trainer, in respect of prize money won, at the end of each racing season (March to November). There are up to 35 other intelligently controlled computer trainers to compete against and compare your personal performance.
To achieve this aim you must discover a potential champion and train them so that they become capable of competing well and winning any of the 47 big prize money races (Handicap and Group). eg. The Derby
To give you an idea of the tools provided in this game to assist you reaching your objective we have listed the main features below:-
- 250 horses each with over 60 independent variables.
- 26 different race courses (2 all weather), real life characteristics mirroring the diversity of racecourses in the UK (descriptions provided).



- 20 Jockeys who vary in ability and booking fees, Orders & Feedback.
- Formbook and Win Summary Cards cover the previous 200 races.
- Animated race display or just the result. View Declaration List for races.
- Very informative report by Head stable lad. Tipsters. Bookmakers.
- Racecards similar to racing press. Real life. Handicaps & Race Types.
- Viruses, Injuries & Vets. Load/Save game. Many other items included.

Version 1 is available upon request (Simple training & betting) @ £15.

ORACLE

You could have won £44,836 with this HORSE TIPSTER Utility.

Open National Tipping Competition 1991 : Organised by Racecall, regulated by the Tote, this program achieved joint second. This led to a serious approach from a well known national book maker. Rejected in favour of supporting the public.
Winnings Statistics : 104 wins out of 166, as from 2/6 to 1/9/93.
Formula : This program tells you exactly what to do. You are NOT permitted to amend our system unlike so many other similar programs. How confident can you be in something that invites amendments!
Research & Development : Three years full time race analysis and experimentation to refine and test the prediction system.
Inside Knowledge : Plenty of unique hints from contacts in the know.
User Friendly : No racing knowledge required, easy to use, tutorial book.
Restricted Sales : As soon as our programs predictions have a prolific impact on the betting odds we will stop accepting new buyers.
Monthly Updates : Highly recommended option. If any update fails to break even we'll send the next one free of charge. From £25.
Price Increase : Highly likely. Buy now before success forces increase.

World Cup Cricket Masters

A fantastic graphical and/or tactical representation of Cricket that has been completely written by a traditional fan. You can physically participate with batting and/or bowling or leave it to the computer to automatically handle. See full feature list below :-



GAME OPTIONS
- 1 Day limited overs or test.
- White or coloured clothing.
- Three Cricket grounds.
- Load/Save game. Skill levels.
- Computer/Human players.

ANIMATED ACTION
- Sound Commentary.
- Umpire signals.
- All the strokes cut, pull, drive, etc.
- Appeals, dropped catches, run outs.
- Bouncers, wides and no balls.

STATISTICS
- Scorecard & bowling analysis.
- Weather and ground reports
- Wagon Wheel
- Manhattan Chart.

PLAYER VARIETY
- Rated on 8 adjustable factors.
- Left and right handed players.
- Range of batting types.
- Editor to amend game stats.
- Bowler types include seam, swing, change and both types of spin with 8 speed levels.

FRIENDLY CONTROLS
- Icon driven with point & click.
- Large 3D scrolling screen covering the entire playing area.
- Mouse controls bowler's line, length, direction field settings.
- Joystick control of batsman's attack level, strokes and running between wickets.

VARIABLE CONDITIONS
- Surface and pace of pitch
- Rain, bad light, cloud cover, temperature and humidity.

24 HOUR CREDIT CARD HOT-LINE (0702) 600557

VISA MasterCard

48 HOUR DISPATCH

CHEQUE PAYMENTS
If you have a guarantee cheque card or credit card please write its number on the reverse of your cheque, doing so will ensure dispatch within 48 hours of receipt.

OUR ADDRESS
ESP Software DEPT. A C
32a Southchurch Road,
Southend-on-Sea,
Essex SS1 2ND. England.
TEL. (0702) 600557
FAX. (0702) 613747

MAIL ORDERS

All the programs detailed in this advert are only available by direct mail.

COMPUTER: ST 512K S/S	ST 512K D/S	ST 1MB	AMIGA 1MB	P.C.	DESCRIPTION A C	PRICE	TOTAL
					Professional Football Masters V4	24.95	
					P.F.M. Editor V4	12.00	
					Stable Masters V2	24.95	
					Oracle Horse Tipster (RRP £99.95)	75.00	
					Cricket Masters	24.95	
					World Cup Cricket Masters	24.95	
					Wrestling Masters	19.95	
						GRAND TOTAL	

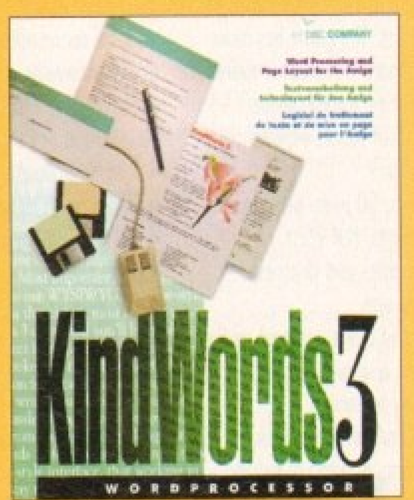
CREDIT CARD NUMBER & EXPIRY E.& O. E.

NAME ____ TELEPHONE ____
ADDRESS ____
POSTCODE ____

Best-Selling Amiga Titles at Amazing Prices.

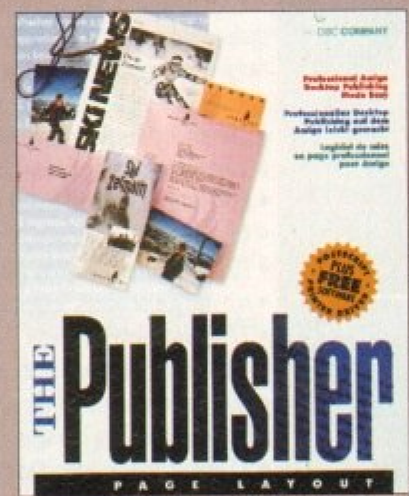
KindWords3 WORDPROCESSOR

An essential requirement for the office and your home! The friendliest word processor you'll ever use. Simple enough to have you working in minutes and yet sophisticated enough to provide all the features you need for your resumés, reports, correspondence and all your writing projects. Page layout, mailing list merge and a variety of other up-to-date functions make KindWords the right choice for users of all ages.

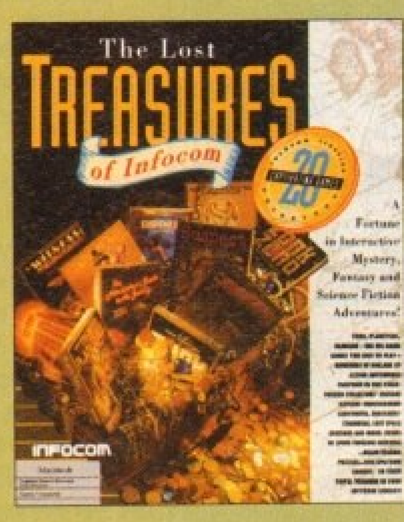


THE Publisher PAGE LAYOUT

This tremendously powerful desktop publishing program offers unrivaled output, ultra-fast operation and a wide variety of superb special effects you never imagined using. This publishing system lets you design and create professional-looking documentation efficiently and effortlessly. Now you can create the perfect page layouts for your leaflets, ads, newsletters or novels, with infinite ease!



The Lost TREASURES of Infocom



Round out your computer game library with a fortune of interactive mystery, fantasy and science fiction adventures you'll be sure to treasure in one value-packed collector's edition! Enjoy spine-tingling suspense and brain-teasing puzzles in such big-name games as *Zork, Planetfall* and *Deadline.* Dare to solve murder cases, discover lost pyramids, break mysterious curses, and rendezvous with alien vessels in your favorite Infocom adventures!



MaxiPlan4 SPREADSHEET

This acclaimed spreadsheet, database and charting program lets you take control of all your number and data tasks! Tackle financial analysis, database lists and marketing research with the accuracy and speed your projects require. Organize, calculate and present your data clearly and graphically with colorful charts all in one multi-use program. Save time and energy by automating repetitive or tedious tasks with our simple macros command and more!

Now you can get four of the all-time best-selling Amiga programs for amazingly lower prices.
For more information please call 0295 252 524.

KindWords 3	The Publisher	The Lost Treasures *of Infocom*	MaxiPlan 4
NOW ONLY £29.99	NOW ONLY £29.99	NOW ONLY £29.99	NOW ONLY £29.99

KindWords 3, MaxiPlan 4, and The Publisher are copyrights of the Disc Company.

THE DISC COMPANY
A DIVISION OF ACTIVISION

The Lost Treasures of Infocom is a copyright of Infocom

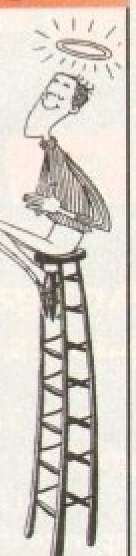
Reach the top with...

NATIONAL CURRICULUM*

LCL Self-Tuition Courses

A NEW LANGUAGE EXPERIENCE

LCL announces an incredible new release! NEW



MICRO SPANISH (Beginners – GCSE & Business)

Complete course of spoken and written Spanish. Suitable for holiday makers, students, enthusiasts and businessmen (as it includes a program that generates your Spanish business letters automatically).
It uniquely includes real speech on disk. So for example, in one program you see a large, cute cartoon Spaniard who speaks to you with his mouth moving as he talks!
It demystifies Spanish and makes it fun. It comes with a book & manual (needs 1Mb) & only costs **£24.99** for

24-Program course includes:

- Pronunciation
- Colours
- The articles
- Big picture vocabulary
- The uses of 'ser' and 'estar'
- Wordsearch
- Ar verbs
- Signs & notices found in Spain
- Er verbs
- Small picture vocabulary
- Ir verbs
- Holiday Madness adventure game.
- Time
- Plurals
- Conversation
- Adjectives
- Future & immediate future tenses
- Listening comprehension
- Perfect & Preterite Tenses
- Imperfect Tense
- Opposites
- Role Play
- Newspaper
- Business letter generator

Make a Start now (age 3yrs - GCSE - A Level).
Totally comprehensive courses (each is a compilation of **24** programs with a book and manual, and tape where appropriate, or equivalent).
...of excellent quality (e.g."... Definitely a first class package" AMIGA SHOPPER).
...with far too many topics to list, but some examples are:

MICRO FRENCH (Beginners – GCSE) — STF "Best Buy"

24 programs • Real speech • Graphics adventure game • Talking cartoon etc.

MICRO GERMAN (Beginners – GCSE & Business)

24 programs • Real speech • Graphics adventure game • Business letter generator etc.

MICRO MATHS (11yrs – GCSE) — GCSE Chart Topper

24 programs • Algebra • Geometry • Trigonometry • Statistics • Arithmetic etc.

MICRO SCIENCE (Physics, Chemistry & Biology 8yrs – GCSE)

24 programs • Tuition • Practical Experiments • Learning by Pictures • Adventure game (1mb) etc.

MICRO ENGLISH (8 years – GCSE)

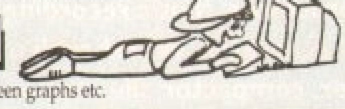
24 programs • Spelling • Punctuation • Grammar • Literature etc.

PRIMARY MATHS COURSE (3-12 years) — In Atari Fam. C.

24 programs • Tables • Add • Subtract • Divide • Multiply (Long & short) • Fractions etc.

READING WRITING COURSE (3-12 years) — It's fun & it really works

24 programs • Handwriting • Creative writing • Reading • Spelling etc.



MEGA MATHS (A level course)

24 programs • Calculus • Algebra • Geometry • Full-screen graphs etc.

£5 OFF TOTAL FOR 2 COURSES, £10 OFF FOR 3, £17 OFF FOR 4
(*All appropriate LCL Courses are National Curriculum compatible & run on most computers.)
£24.99 per course all inclusive. Orders/requests for free poster-catalogue to:
LCL (DEPT AMC), THAMES HOUSE, 73 BLANDY ROAD, HENLEY-ON-THAMES, OXON RG9 1QB

Phone 0491 579345 for immediate despatch



C O L O U R

DYE-SUBLIMATION



AT A FRACTION OF THE COST!

Now you can produce stunning high quality colour outputs on paper, transparency film or even T-shirt transfer paper from your Amiga. The Primera colour printer, recent recipient of countless awards in the IBM-PC and Macintosh markets, is also the perfect companion to any Commodore Amiga.

Primera uses thermal wax transfer technology, a technology usually associated with much higher priced printers.

primera *features*

- Software drivers for Amiga, PC and Macintosh
- Prints A4 and A4+ size paper and transparencies
- Monochrome ribbon cartridges available for economical text only printing
- Print full colour 24-bit photographs
- Optional Photo-Realistic upgrade kit (Dye-sublimation)
- Produce photographic quality images for a fraction of the cost of similar devices
- Extremely small footprint, not much larger than A4

Primera printer	£825
Photo-Realistic upgrade kit	£215.95
Photo-Realistic refill kit (100 prints)	£250
Photo-Realistic refill kit (25 prints)	£79.95
4 Colour ribbon (80 prints)	£38.95
3 Colour ribbon (115 prints)	£38.95
Monochrome ribbon (400 prints)	£34.95
Transparency film (A4 50 sheets)	£31.95
Primera premium paper (A4 200 sheets)	£18
T-Shirt transfer paper (A4 10 sheets)	£17.95

FARGO

telephone *0234 843388*

Power Computing Ltd
Unit 8 Railton Road
Woburn Road Ind. Estate
Kempston Bedford MK42 7PN

delivery: next day £5.00 2-3 days £2.50 Saturday £10.00
deliveries are subject to stock availability, all prices include VAT, E & OE

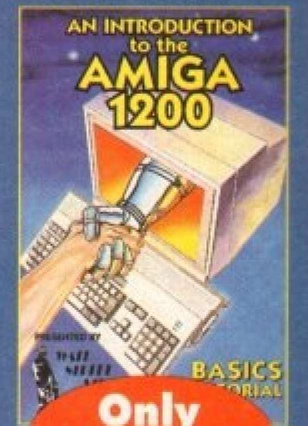
Books for beginners – from Bruce Smith Books

Amiga Computing and Bruce Smith Books have collaborated to bring you this very special offer – for this month only we are offering books specially selected for beginners using the A1200. And not only books – we also have a Bumper Beginners Pack and a really helpful video.

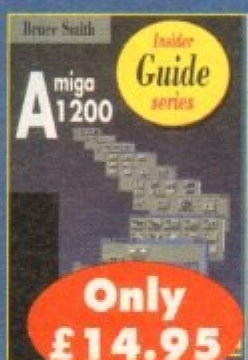
Bruce Smith Books have a well earned reputation for technical excellence, coupled with an easy to read style which makes learning so much easier.

Amiga Workbench 3 Basics Tutorial Video

The ideal introduction to the graphical user interface with which all A1200, A4000 and A3000 users operate their computer. Step by step examples on all subjects for beginners. Floppy disk and hard drive machines are catered for.



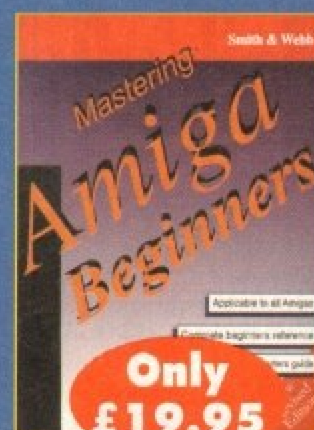
Only £14.99



Amiga 1200 Insider Guide

The world's best selling Amiga book provides the perfect introduction to the Workbench and AmigaDOS on the A1200.

Only £14.95



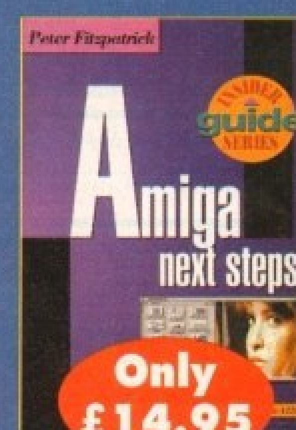
Only £19.95

Mastering Amiga Beginners

Takes the raw beginner in hand and provides a solid grounding in Amiga techniques.

Amiga 1200 Next Steps

Having mastered the basics, this is the ideal companion as you push back the frontiers of your computing knowledge and enjoyment.



Only £14.95

BSB order form

Please send me...

- ☐ Mastering Amiga Beginners at £19.95
- ☐ Amiga 1200 Insider Guide at £14.95
- ☐ Amiga 1200 Next Steps at £14.95
- ☐ Amiga Workbench 3 Basics Tutorial Video at £14.99
- ☐ Amiga 1200 Bumper Beginners Pack at £39.95 plus £3 postage and packing

I wish to pay by:

- ☐ Cheque / postal order payable to Bruce Smith Books Ltd
- ☐ Credit card expiry date ____/____

Card No ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

The total value of my order is £_______

Deliver my order to:

Name (Mr/Mrs/Miss/Ms)_______________________

Address _______________________

____

Postcode __________ Daytime phone __________

Allow 28 days for delivery

☐ *Tick this box if you do not wish to receive promotional material from other companies*

Amiga 1200 Bumper Beginners Pack

Offers the first time Amiga 1200 user a superb high value introduction to the Amiga. It includes:

- Two books – *Amiga 1200 Insider Guide and Amiga 1200 Next Steps*
- One hour video introduction to the Amiga 1200
- Four disks of software featuring a full function wordprocessor, music recording studio, graphics fractal generator, Workbench utilities, virus checker, compactor, file recover suite, hard disk backup, fonts, graphics. Full documentation is provided.

Only £39.95 plus £3 postage and packaging

Send this form to BSB Offers, Europress Enterprise Ltd, Europa House, Adlington Park, Macclesfield SK10 4NP or telephone 0625 878888 or fax 0625 850652.

SECONDHAND — MASSIVE RANGE PART/EX WELCOME

VOUCHERS — 10% VOUCHERS WITH SOFTWARE TO USE OFF NEXT PURCHASE

YOUR DEAL — CAN'T SEE QUITE THE RIGHT DEAL FOR YOU? TALK TO US!

FREE GAMES — FREE MYSTERY GAME WITH EVERY PURCHASE OVER £25

SRS MICROSYSTEMS LTD
94 THE PARADE, WATFORD, HERTS, WD1 2AW
SALES TEL. 0923 220558
SALES TEL. 0923 226602

12 YEARS

Why SRS?

SRS Microsystems LTD is a long established business with over 12 years experience. By buying from us you are buying from a retail supplier with proper premises and a massive customer base. We are not *just* another mail order company. Later on, when you need help, we will still be around!

How to order

SRS welcome all major credit cards, including ANY Lombard Tricity card (any Store Name!) plus Cheques, postal orders etc, made payable to SRS LTD. To order over the phone by Credit Card simply quote the card no. and expiry date.

Delivery

Same day despatch. Orders are sent straight after your phone call.

Delivery charges:

Small items (under £100)	£3
Software	No charge
All other larger items	£8 Per box
Express Next day AM delivery	£16 Per box

The small print bit

All prices include VAT. All items are subject to availability. Prices correct at time of going to press. Some prices and offers may not be available in-store. All items are covered by at least 1 year warranty. Many include Free in-home service contracts. Prices shown are what YOU PAY. No hidden extras.
Please note: We do not supply goods on approval. Instant Credit available. Please ask for details (In-store).

E&OE

AMIGA 1200

EVERY AMIGA FROM SRS NOW INCLUDES FREE: 5 EXTRA GAMES + 5 PD DISKS

RACE AND CHASE PACK — OPTION

£289.99

Ideal starter pack, but see below for amazing value alternatives

DESKTOP DYNAMITE PACK — OPTION

Deluxe Paint AGA Wordworth AGA Dennis AGA Oscar AGA + Print Manager

£344.99

A1200 HARD DRIVE OPTIONS

	64Meg	85Meg	120Meg
RACE AND CHASE PACK	£449.99	£499.99	£529.99
DESKTOP DYNAMITE PACK	£499.99	£549.99	£579.99
SRS SUPER PACK	ADD £39	ADD £39	ADD £39

SUPER PACK

YES, JUST £39 BUYS YOU ALL THIS!

(ONLY AVAILABLE WITH AN AMIGA AND EXCLUSIVE TO SRS)

KINDWORDS 2
PAGESETTER 1.2
ARTISTS CHOICE
HEADLINE FONTPACK
MAXIPLAN SPREADSHEET
DELUXE PRINT II
DUNGEON QUEST
KID GLOVES
LETS SPELL AT HOME
MICROPROSE SOCCER
SHUFFLEPUCK CAFE
RVF HONDA
POWER PLAY
INTRO TO AMIGA
NIGHT BREED
STAR RAY

Worth over £350

Please note: We reserve the right to substitute items of equal value if any part of this pack is not available at time of order

AMIGA CD32

DON'T BUY A CONSOLE TILL YOU'VE SEEN THIS

Amazing 32 Bit CD drive A1200 **£289.99**

FREE DIGGERS & OSCAR games on CD

AMIGA 600

EVERY AMIGA FROM SRS NOW INCLUDES FREE: 5 EXTRA GAMES + 5 PD DISKS

OPTION — WILD, WEIRD AND WICKED

Inc. PUTTY
GRAND PRIX
DELUXE PAINT 3
PUSHOVER

£199.99

LEMMINGS PACK ALSO AVAILABLE AT £189.99

OPTION — EPIC HARD DRIVE PACKS

Inc. EPIC
ROME
MYTH
DELUXE PAINT 3
AMIGA TEXT

40 MEG £329
64 MEG £349

2 MEG RAM UPGRADE Only £35 When bought with an A600

Special Discount when you buy a Printer or a monitor with your Amiga

SECONDHAND

ALL FULLY GUARANTEED

PRINTERS – TOO MANY TO LIST

AMIGA 500	FROM £119
AMIGA 600	FROM £129
AMIGA 1500	FROM £199
AMIGA 2000	FROM £199
HARD DRIVES	FROM £99

+ HUNDREDS OF OTHER MAKES AND MODELS

PRINTERS

NEW DESKJET 310 PORTABLE WITH COLOUR CARTRIDGE	£259
STAR LC 24/30 COLOUR 24 PIN + SHEETFEED	£249
MPS 1270 INKJET Was ~~£139.99~~	£119.99
STAR LC100 Colour Was ~~£179.99~~	£159.99
SEIKOSHA SP1900 Plus	£124.99
SEIKOSHA SL96 (24 Pin Colour)	£199.99
DESKJET 500 COLOUR	P.O.A.
DESKJET 550C	£499.99

AMPLIFIED SPEAKERS

ZYFI SET INC. POWERFUL AMP.	£34.99
UNITONE PAIR INC. AMP.	£4.99
6 WATT PAIR WITH STANDS	£24.99

HARD DRIVES

ALL GENUINE GVP PRODUCTS

64 MEG IDE FOR A1200/600	£189.99
85 MEG IDE FOR A1200/600	£229.99
127 MEG IDE FOR A1200/600	£259.99
42 MEG GVP FOR A500/A500+	£249.99
80 MEG GVP FOR A500/A500+	£349.99
120 MEG GVP FOR A500/A500+	£399.99

NEW EXTERNAL A1200
Will not invalidate warranty

130MB	£244	256MB	£390
170MB	£295	340MB	£439
200MB	£339	426MB	£539

CD32 And CDTV

*CD32 ONLY

CADDIES (EACH)	£9.99	PIN BALL FANTASIES*	£27.99
CDPD 1	£14.99	SLEEPWALKER*	£27.99
CDPD 2	£18.99	WHALES VOYAGE*	£27.99
CDPD 3	£18.99	DEEP CORE*	£24.99
MORPH*	£27.99	SENSIBLE SOCCER*	£23.99
17 BIT COLLECTION	£37.99	DEMO COLLECTIONS 1, 2 & 3	£18.99
TROLLS*	£27.99	PANDRAS CD	£4.99
D. GENERATION*	£27.99		
ZOOL*	£27.99		
NOW GAMES (100 GAMES)	£18.99		

PURCHASE ANY THREE TITLES AND GET CDPD 1 FREE

NEW RELEASES ALMOST EVERY DAY – PLUS: WE NOW TAKE YOUR UNWANTED DISKS AS PART-EXCHANGE ON NEW ONES (OR USED ONES!)

JOYSTICKS

AVIATOR 1	~~£34.99~~	£29.99
COMP PRO 5000	~~£13.99~~	£12.99
STAR PROBE	~~£14.99~~	£12.99
QUICKSHOT 2 PLUS	~~£7.99~~	£5.99
MEGASTICK 2	~~£9.99~~	£8.99

PLUS MANY MORE • PLEASE ASK

RAM UPGRADES

A500 RAM EXPANSION 512K	£17.99
A500 RAM EXPANSION + CLOCK	£21.99
A500+ 1MEG WITH CLOCK	£39.99
A600 1MEG WITH CLOCK	£42.99
A500 2 MEG EXP. + CLOCK	£74.99
A1200 HAWK 2MEG	£129.99
A1200 4 MEG ASHCOM + CLOCK	P.O.A.

CDTV And CD32

*CD32 ONLY

17 BIT COLLECTION	£34.99
CDPD 1	£12.99
GLOBAL CHAOS	£24.99
*PINBALL FANTASIES	£29.99
*D.GENERATION	£22.99
*JAMES POND	£26.99
NOW GAMES (100 GAMES)	£18.99
DEMO COLLECTIONS	£18.99

Minimum of 10% off new release software – please phone

SOFTWARE

UTILITIES & BUSINESS

QUICKWRITE WORDPRO	£44.99
TEXTCRAFT (OLD BUT OK!)	£4.99
LETS SPELL AT HOME	£9.99
WORDWORTH 2	£99.99
DPAINT 4 AGA	£79.99
TECHNOPLUS BUSINESS PACK	£69.99
PAGESETTER 3 (COLOUR)	£49.99
EXPERT DRAW	£49.99
THE WORKS PLATINUM	£39.99
PROWRITE 2.5	£14.99
INFOFILE DATABASE	£9.99
MUSIC X (FULL VERSION)	£24.99

STOCK CLEARANCE GAMES

A FEW BARGAINS SHOWN HERE • 1000'S MORE IN STOCK INC. ALL NEW RELEASES

ALL £14.99

DOJO DAN, GLOC R360, PUSHOVER, THUNDERHAWK, SWORD OF HONOUR, DIE HARD 2, PALADIN 2, HARLEQUIN, WOLFCHILD

Astra pack (10 GAMES) £20

AMIGA ACCESSORIES

VGA MONITOR ADAPTOR	£29.99
JOYSTICK/MOUSE EXT. LEADS	£4.99
AUTO JOYSTICK/MOUSE SWITCH	£12.99
MAINS SPIKE PROTECTOR	£11.99
AS ABOVE BUT WITH 4 SOCKETS	£24.99
DRIVE HEAD CLEANER KIT 3.5"	£2.99
MOUSE & PEN HOLDER	£1.99

NUTTERS XMAS GIFT SET
FOOT SHAPE MOUSE PAD
FURRY MOUSE COVER
MOUSE HOUSE
£12

MOUSE MAT (SRS BRANDED)	£2.99
1000 DISK LABELS ON ROLL	£8.99
1000 DISK LABELS TRACTOR ROLL	£9.99
20 DISK LABELS IN PACK	69p
REPLACEMENT AMIGA MOUSE	£14.99
HIGH-RES. AMIGA MOUSE	£24.99
VIDI 12 DIGITIZER etc	£79.99
STEREO MASTER SAMPLER	£34.99
TECHNOSOUND TURBO 2	£44.99
TECHNOPLUS PRO SAMPLER	£34.99
MIDI INTERFACE (5 WAY)	£24.99
GAME BUSTER (SLOWS GAMES)	£24.99
ZYDEC HANDY SCANNER	£109.99

AMIGA ACCESSORIES

CUMANA 2ND DRIVE	£54.99

DISAPPOINTED WITH PRINT QUALITY? TRY OUR PELICAN BRAND RIBBONS

RIBBON RE-INK AEROSOL	£9.99
ROM SHARER + 1.3 ROM (A500+)	£39.99
ROM SHARER	£16.99
HELPING HANDS (SOLDERING etc)	£3.99
SCREEN FILTER 14" COLOUR	£6.99
AMIGA DUST COVERS	ALL....£3.99
PRINTER STANDS (PAIR)	£6.99
PRINTER SWITCH 2 WAY	£16.99
POWER SUPPLY (AMIGA)	£49.99
POWER SUPPLY (C64)	£24.99
14" COLOUR MONITORS	FROM £179.99
COPY HOLDERS 3 MODELS from	£9.99
FURRY MOUSE COVER!!	£3.99
FOOT SHAPE MOUSE PAD	£6.99

DISKS

50 BLANK DSDD 3.5" DISKS	£19
50 BLANK DSHD 3.5" DISKS	£29
SRS BRAND DSDD x 11 In box	£6
SRS BRAND DSHD x 11 In box	£9

Paul Overaa on why so many of us fall wide of the mark when it comes to understanding and using those most useful of application programs, databases

There can be very few Amiga owners who have used neither a word processor, a spreadsheet nor a database program. And even fewer who wouldn't know a word processor or spreadsheet program when they saw one.

Most would doubtless also recognise a database but the evidence suggests that, as far as database program use is concerned, a lot of people are far from clear about the basic concepts, the benefits and advantages of the various types of database programs, and in fact about their own data-oriented needs!

Some users spend a fortune on a heavyweight package only to find that years afterwards they still really only needed 2 per cent of the facilities that had been provided. The chances are that a cheaper program could easily have the same job.

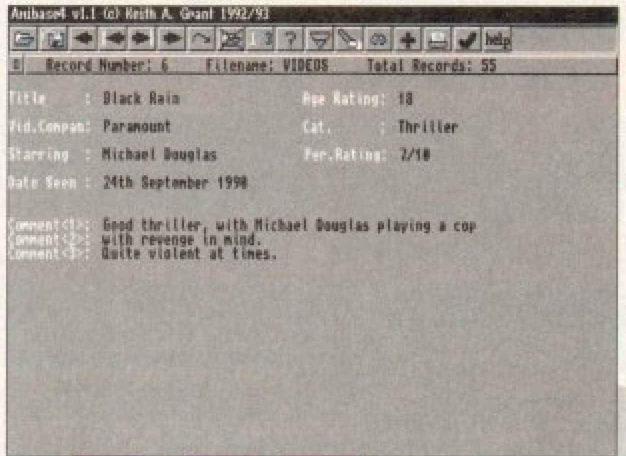
Others confuse database program power with the need for an application to have large amounts of disk storage space available. They waste money on an expensive package when they should really have got a simpler program and added a hard disk.

People buy "relational" database programs because they are "better" but then fail to use them properly. Users often, for example, set up record structures which prove difficult to modify at a later date (thus defeating one of the main purposes of the relational database ideology).

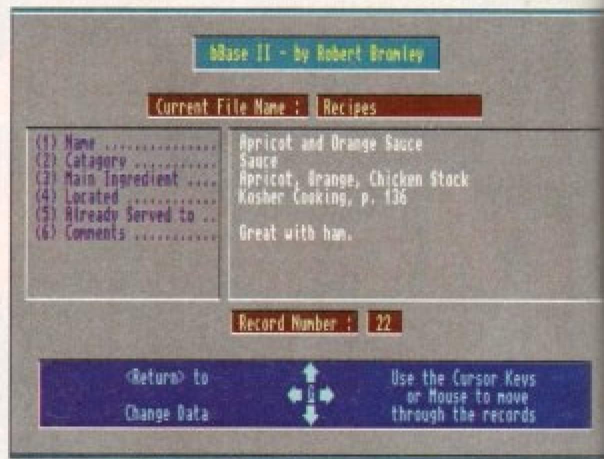
In short, database program use is not well understood, and although in these pages there is not space to deal properly with the underlying technical issues, you will find some help along with details of the Amiga database programs which are currently available.

The main advantages of a single integrated DataBase Management System (DBMS) relative to a collection of individual flat file-based applications programs are easy to state. They should let users isolate their data, enable them to remove unnecessary data item duplication, and in general offer a level of data independence sufficient to allow stored data to be used in a variety of different ways. Having said that, a lot of so-called databases are nothing more than conventional record storage/retrieval systems that let you, the user, set up the required record format.

Because a database will consist of one or more files, all appropriate record definitions need to be created before any information can be stored. How this is done will depend both on the database package being used and on the application it is being used for. You might for instance decide you need a client file that contains client surname, first names, address, data of birth and telephone number details and most programs will allow such record fields to be not only created and named but classified as text, numbers, dates and so on. They'll use these characteristics to provide limited verification during data entry. If for example you type text into a field which has been defined to hold numerical values, any self-respecting database program should give a suitable



AmiBase – a useful flat file database offering



bBase – one of the many flat file database programs from PD sources

Product listings

AmiBase v4
Supplier: One Vision
Price: £15

Details: Useful, good looking, flat file database program with VCR controls. New version offers record filtering, improved (background) printing and many other facilities.

BuddBase
Supplier: Your Choice
Price: £1.30

Details: Flat file freeware database program (Disk BU056).

DataRetrieve (Abacus)
Supplier: Abacus
Price: $79.95 + $13 UK shipping charge

Details: This is a reliable product that is suitable for a great many types of applications. It has good documentation, on-line help, indexing and macro facilities plus extras like database password protection. The program can work with up to eight database files at the same time and it has brilliant search facilities. The screen templates, called masks, which are used to input data are easily created and versatile report production facilities are provided. Unfortunately there isn't a UK distributor but it can be ordered directly from Abacus.

DataRetrieve Professional (Abacus)
Supplier: Abacus
Price: $295 + $13 UK shipping charge

Details: For serious Amiga users wanting a powerful system with relational facilities DataRetrieve Professional is, to my mind, the package of choice. It offers relational file links and the input mask arrangements allow you to set up any number of independent views of your database files using fields from any file.

There are similarly flexible mask-based output view facilities. Although there isn't the space to go into details, :view flexibility" is, to some extent, what the relational approach is all about.

The program is a true heavyweight with superb indexing/search and reporting facilities and many extras including its own Basic-style programming language called Profil. If you are after an Amiga database package with power this offering really does deserve to go on your shortlist! Again, there isn't a UK distributor but it can be ordered directly from Abacus.

FlexiBase
Supplier: Your Choice
Price: £1.30

Details: Freeware flat file database program (Disk BU052).

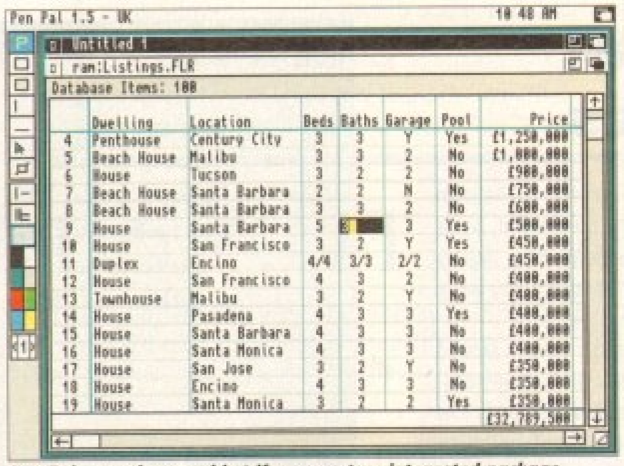
Gold Disk Office (Gold Disk)
Supplier: Silica Systems
Price: £49.95

Details: This integrated package includes word processor, spreadsheet, DTP and business graphics facilities. It also offers a simple, but perfectly usable, flat-file database program. Files can contain up to 32,767 records, 256 fields per record and 256 characters per field.

Unlimited numbers of user-defined indexes can be set up and there are easy to use form and report generator options available. Very useful providing your applications are straightforward.



DataRetrieve Professional – true heavyweight and highly recommended



Pen Pal – another good bet if you want an integrated package

warning or error message. As well as creating record definitions it is also usually necessary to create some kind of screen-based data input form, ie set up the screen arrangements which you will use when inputting data. Since there's not a lot of point in storing data if you can't get at it, database programs will also provide integral searching and reporting facilities which allow you search for records based on particular criteria and create and print hard copy reports.

You might, for instance, want to search your client details database for all clients who do not have a telephone number and create a report listing their names and addresses. These types of things are easily done with most Amiga databases.

Programs vary enormously in respect of the facilities they offer. Some provide only the most elementary file definition and data input facilities, while the heavyweight offerings on the other hand really do provide the high level of sophistication and flexibility suitable for the needs of an advanced user.

These offerings, incidentally, will come with their own Basic-like Database Management Languages allowing experienced users to create highly customised database interrogation and reporting routines.

There are similar variations in the searching and reporting facilities on offer and on the extent to which data items present in the records of one file can be combined or linked with the data held in another database file.

The most sophisticated inter-file links tend to be those found with programs known as Relational DataBase Management Systems (RDBMS) but unfortunately it is these type of programs that are normally the most expensive and the most difficult to use properly.

Before implementing a multiple file relational database application it is best to look at the logical structure of the data that is being stored, carry out a process known as Normalisation, and then use the resulting record structure as a blueprint or model for your real data files.

Most users who buy RDBMS software do not do this, and the result is that many never see the real benefits that relational systems can provide.

A Database program may provide all manner of other facilities such as ARexx control and Import/Export options that let the program read data from, or write data to, other Amiga programs and files. Many Amiga databases allow users to store references to IFF pictures, 8SVX sound samples and so on and this enables not only specialised Amiga graphics and sound databases to be created but allows such material to be used as part of a conventional text-based information system. The potential uses are limited only by your imagination, and the amount of disk space you have available.

Extensive graphics or sound-oriented database applications will, needless to say, require a lot of disk space and in these (and a few other instances) a hard disk becomes essential. Many database programs can however be set up to run on quite modest Amiga systems (eg single drive 512k machines) although obviously much depends on the type of application you are trying to set up.

Words of warning

There is a certain amount of poetic licence as far as the word "database" is concerned and many programs described as databases push this to the extreme.

There is an Astronomy database program called Distant Suns, a genealogy database called Norgen, and even Digita International's Mailshot Plus program sometimes gets described as an 'Address' database program.

None of these programs, nor many others that sometimes acquire a database label, are database programs in the true sense.

Home Business Pack

Supplier: Anglia PD
Price: £4.20 for a three-disk pack. Printed manual available at £2.99

Details: This contains the bBase flat file database program along with a text editor, spelling checker, spreadsheet, accounts program and other software. Good value for money.

KData (Kuma Software and HiSoft)

Supplier: HiSoft
Price: £39.95

Details: K-Data is part of the HiSoft K-Pack spreadsheet and flat file database offering. It provides similar record definition and search/sort/report facilities to those found in alternative offerings in the same price range.

Unfortunately the package shows its age in that it is unable to handle references to graphics or sound – so it is only going to be of interest to users wanting to set up conventional text and number-oriented applications. K-Pack comes with the usual high-quality HiSoft documentation.

Mini Office (Europress Software)

Supplier: Europress
Price: £59.99

Details: Another integrated package which includes easy-to-use flat file database facilities.

Order v2.54 (Shadow Software – formerly South Hams Software)

Supplier: Shadow Software
Price: £19.95

Details: This is one of the few budget-priced database programs that support multiple-file, relational links and in this respect it is considerably more powerful than other offerings of a similar price.

Order has had a rough ride in the review press and there is no doubt that many (but not all) criticisms of the early releases were valid and the poor original documentation did nothing to help.

Since the early days however a great many improvements have been made and the price has been brought down to a level where Order has become extremely good value for money. It is not as easy to set up as a simple flat-file database program (relational type databases never are) but it is recommended for users who need some relational capability but cannot afford one of the more expensive heavyweight commercial offerings.

Pen Pal (SoftWood)

Supplier: SoftWood Products Europe
Price: £49.95

Details: Pen Pal is an integrated package that combines word processing and page/form design facilities with a simple database program. It's an attractive, well priced offering and although its database facilities sometimes seem to border more on the spreadsheet rather than a database-type arrangement, it does nevertheless provide a set of record creation and use facilities which are quite sufficient for many flat file purposes.

Philo

Supplier: Your Choice
Price: £3.50

Details: This is a licenceware database program (disk CLU07) which is easy to use and perfectly adequate for simple applications.

Continued overleaf ➤

Relational databases

With some data storage programs each application has its own set of data files. You might, if you were say a consultant, have an appointments program that stored records containing details of client names and addresses along with notes about any work carried out.

You might also have a mailshot application which stored standard letters along with, again, client names and addresses. These individual program and associated file arrangements are often called flat file applications and are so named because individual data files are just straightforward collection of identical format records with no interaction or links between the datafiles of various applications areas.

Independent flat file approaches are fine in many cases but when uses of the items held in the data files overlap all manner of problems start to appear.

In the above example the use of separate appointment and mailshot programs means that client names and addresses need to be stored twice and this duplication or redundancy is a waste of space.

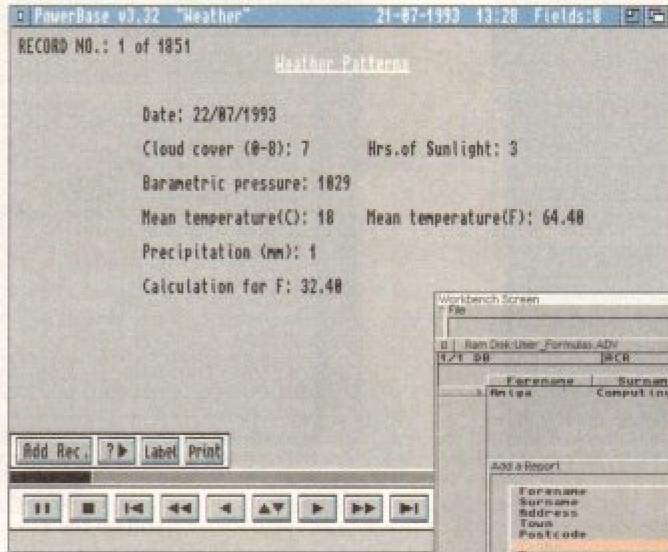
More importantly it is necessary to remember to update the client details in both data files when changes need to be made.

The whole idea of the relational methodology is to separate the data from its use in a way which both allows many programs to use a common set of data files, and any number of differing input and output views to be imposed on the various items of data stored.

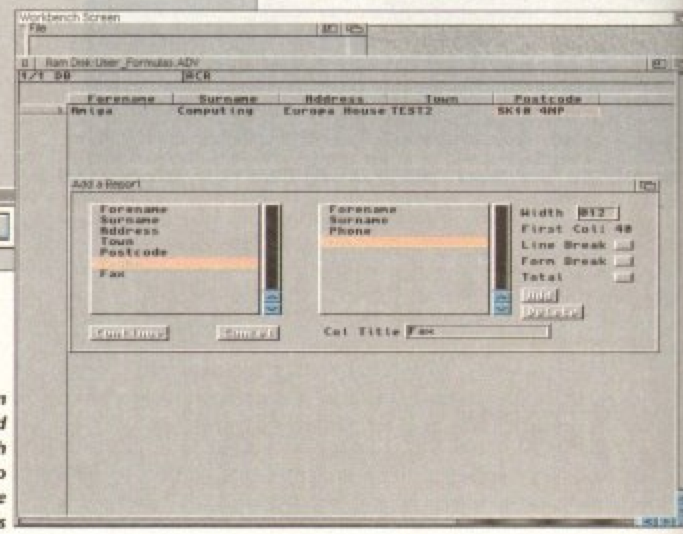
The software which enables this to be done is called a Relational DataBase Management System (RDBMS) or more commonly nowadays, a relational database program.

The database version of the above consultant scenario would involve an appointments/work-done file, a mailshot file, and a client details file that would be shared by both appointment and mailshot applications.

Changes to client details made from the appointments area of the application automatically become immediately available for mailshot use (and vice versa) without any further data entry. The result? Less work. Less chance of mistakes. Easy life!



PowerBase – a budget-priced offering which looks good, probably tastes good, and by golly...



Mini Office – an integrated package which provides easy to use database facilities

Jargon buster

attribute	Some characteristic of an entity. Name, address, and postcode for example are three likely useful attributes of a customer entity.
DTP	desktop publishing.
entity	A database-application related object that usually, but not always, physically exists. Customers and invoices are two commonly occurring database entities.
normalisation	A process whereby the logical relationships of the proposed database entities and their attributes are examined with a view to removing various types of logical data inter-dependency known to cause data-access and or record field expansion problems. Reduction to 3rd Normal forms is sufficient in most cases.

Product listings continued

PowerBase (AmiVision)
Supplier: AmiVision
Price: £14.95

Details: This program started out as a licenceware title and has now grown into a fully-fledged, but budget priced, commercial offering. PowerBase allows users to set up record definitions for specified files and then enter, edit and retrieve data using SuperBase-style VCR controls. Text, numeric, date, time, logical (ie Boolean Yes/No, True/False fields), percentage and calculation fields are allowed along with an external field which can provide links to both Ascii text and IFF picture files.

Powerbase offers a good Workbench 2 style interface and, among other things, a reasonable set of search and filter facilities. Filtered records (ie a subset of records which satisfy some chosen search criteria) can be sent to the screen, the printer, or a file and there is a label mode which can suppress the printing of field names (useful for printing mailing labels - hence the name).

Although it's possible to create as many separate files as you want, there are no inter-file link mechanisms available. In other words this is a simple flat-file system! Despite these limitations the program is fair value for money and perfectly adequate for first time users or others with simple database needs.

QuickBase
Supplier: Your Choice
Price: £1.30

Details: Fairly average freeware flat file database program (disk BU009).

S-Base 4 Personal (Oxxi)
Supplier: HiSoft
Price: £129.95

Details: S-Base is the new name for what used to be the SuperBase range and this offering, like SuperBase Personal before it, is likely to continue as the most popular Amiga Database program in the UK. Its VCR-styled control panel approach is easy to use and the program flexible enough to be used for all but the most demanding of database applications.

S-Base 4 Professional (Oxxi)
Supplier: HiSoft
Price: £249

Details: This is the package formerly known as SuperBase Professional. It's another truly heavyweight database package which provides sophisticated database creation, search/filtering and reporting facilities along with its own Basic-style database language (with ARexx and comms support).

Both in terms of use and the facilities offered S-Base 4 Professional is rather different from DataRetrieve Professional (its main heavyweight rival) but there's no doubt that the S-Base product is an extremely capable program and another one for power users.

Supplier telephone numbers

Abacus	0101-616-6980330
	0101-616-6980325 (fax)
AmiVision Software	0922 414731
Anglia PDL	0394 283494
Europress Software	0625 859444
HiSoft	0525 718181
One Vision	0734 422465
PD Soft	0702 466933
Shadow Software	0752 880906
Silica Systems	081-309 1111
SoftWood Products Europe	0773 836781
Your Choice	061-881 8994

BLITTERSOFT

(Dept AC)
40 COLLEY HILL, BRADWELL,
MILTON KEYNES, BUCKS,
MK13 9DB

TRAPFAX SOFTWARE

The ultimate in Amiga Fax software. For class 2 standard. Send faxes from ANY preferences printer driven program! Superb quality and flexibility. Features delayed transmissions, multiple fax scheduling, Integrated phonebook, Fax Viewer, ARexx interface and Network support!

Only £74.95

SERVICE AND SUPPORT

We are *EXCLUSIVE UK* distributors for all advertised products. We offer full technical support and after sales service. This is unlimited and free. We also support our products directly on-line via our **BBS**. Here you will find all the latest software upgrades plus help and advice and latest PD!

PICASSO II

Retargetable Graphics (RTG) is the future of Amiga graphics display technology. True RTG means that a graphics device will not be restricted by the memory limitations of the host system's Chip memory, or by the speed of the custom chips. A true RTG device does not have to use Chip RAM at all, and can run exclusively in Fast RAM if needed for the best possible performance whilst allowing any well behaved software to utilise the enhanced resolutions and colour modes of the RTG device without any modification to the software. Well behaved software will be able to run on their own high resolution custom screens and will not have to rely on running on either the Workbench screen, or screen promotion hacks, to allow compatibility.

The Picasso II RTG Emulator integrates seamlessly into the Amiga operating system to give the most reliable emulation available. The new resolutions provided by the Picasso II appear in all your applications as new screen modes selectable from the standard ScreenMode requester. For any program that allows you to choose a new screen mode, you would simply choose a Picasso II screen mode as an alternative (such as Picasso:1280 x 1024). You will not have to wait for any custom programmed versions of any program that is compliant with the rules of the operating software. Such programs will be able to immediately take advantage of the Picasso II board. Programs that are written with AGA in mind will be able to immediately take advantage of the new modes available to the system.



The Picasso II is designed to take full advantage of the host computer system. The built in Blitter and high speed memory subsystem mean that you will have super fast screen updates. Switching between Picasso II mode screens is very fast and switching between Picasso II mode screens and native Amiga screens is nearly instantaneous (as fast as your monitor can re-sync). Because the Picasso II RTG board does not use Chip RAM, your Amiga will be less likely to suffer from bus contention problems normally associated with running high resolution screens and heavy DMA activity.

The Picasso II RTG emulator has been designed so that it uses no Chip RAM. All available screen modes on the Picasso II use only Fast RAM. This sophisticated design means that even a 1Mb Picasso II board can support as many high resolution 256 colour screens as will fit in the Fast RAM of your system.

The Picasso II comes with several screen modes and resolutions that are industry standard and for which all monitors are designed. These modes operate at the proper scan rates and frequencies in order to take advantage of the most popular monitors available. In some instances, where those modes may not be sufficient, there is a program that will allow you to create your own custom screen modes. You will be able to create screen modes that exactly match your monitors frequencies and resolution capabilities. Picasso II comes with Personal Paint Lite, MainActor (animation program), IFF, GIF, JPEG and MPEG Viewers and drivers for ADPro, ImageFX, ImageMaster and Real3D. Other bundles are available too.

PICASSO II 1 MB		£299.95
PICASSO II 2 MB		£339.95
PICASSO II 1 MB + TV PAINT Jnr.	£299.95	~~£339.95~~
PICASSO II 2 MB + TV PAINT Jnr.	£339.95	~~£379.95~~
PICASSO II 1 MB + TV PAINT 2.0		£469.95
PICASSO II 2 MB + TV PAINT 2.0		£499.95

EMPLANT

EMPLANT will revolutionise the way you use your Amiga! Imagine one card offering multiple emulations that ALL multi-task (after all, isn't that the way the Amiga was meant to work!)

The supplied Mac emulation boasts *full colour* (16 ECS, 256 AGA, 1.6 Million with supported graphics cards) and superb Stereo Sound.



EMPLANT supports Hard Drives, (via on-board SCSI or AmigaDOS partitions), Hard Files, MAC 800K (via Mac drive adapter), MAC/IBM 1.44Mb, IBM 720K, EMPLANT and AMAX formats. The SCSI interface supports both Amiga peripherals and the peripherals of the emulated system at transfer rates of over 1 Mb/Sec.

EMPLANT supports AppleTalk, Serial ports, Printers, Modems, Midi, etc. You may use SyQuest, Any AmigaDOS device (DH0:, RAD:, VD0: etc.), Scanners, Graphics Tablets, CD ROM with the emulation.

Emulation speed is exceptional and compatibility is excellent. All known software runs!

The IBM 386/486 emulation is to be released in the new year, with Atari ST/Falcon, C64/128, SNES/SEGA, Apple II (among others) all planned in the future. These will be available as low cost upgrade modules.

EMPLANT currently supports any Zorro equipped Amiga with the A1200 PCMCIA version out soon. The Mac emulation alone requires 68020/30/40 with 4Mb RAM minimum and also 256K MacII/x/cx/SE30 ROMs.

EMPLANT can be expanded to provide 2Mb of battery-backed static RAM and has an audio digitiser built in! Other add-ons are planned.

EMPLANT incorporates a **File Transfer** system between Amiga/Mac/PC.

THIS INCREDIBLE SYSTEM IS AVAILABLE NOW AT

ONLY £399.95

AMIGA SHOPPER OVERALL 80%
AMIGA FORMAT OVERALL 85%

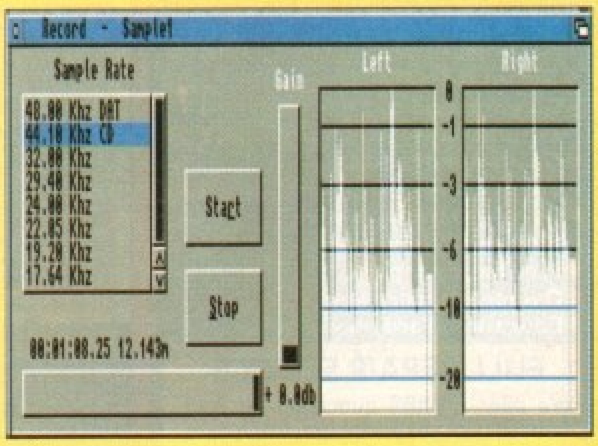
WAVETOOLS

STUDIO QUALITY SOUND, PROFESSIONAL LEVEL FEATURES!

Tired of that old 8 bit sound coming out of your Amiga?

Now you can really make some waves with the awesome sound of the all new WaveTools 16 bit Amiga sound system. WaveTools 16 bit audio card plugs into any Amiga 1500, 2000 (accelerated), 3000, or 4000 computers.

WaveTools hardware and software gives your Amiga the punchy sound quality of CD's and DAT recorders at a fraction of the price of other 16 bit sound cards. WaveTools uses your computers hard disk drive to record, edit, mix and playback audio with the clarity and crispness that only 16 bit technology can provide. Using state of the art circuitry and the latest in 64X oversampled Sigma-Delta conversion technology, WaveTools has a frequency response of 10Hz to 20KHz and a dynamic range of 85dB for faithful reproduction of sounds from the fattest bass to the thinnest strings. WaveTools provides a pair of stereo I/O jacks for direct connection to any device with standard line in and line out connectors. Record from CD players, DAT recorders, Video Tape, Videodisk or any other line level audio sources. Add voice-overs or other sound effects to produce crystal clear audio tracks for productions demanding uncompromised sound quality.



WaveTools feature set meets the needs of the most demanding users. Audio is recorded directly onto any hard disk drive in Amiga compatible AIFF16 stereo files. Multiple waveform windows may be opened simultaneously and audio can be cut and pasted between open files to facilitate building complex audio tracks. In addition to cut and paste WaveTools supports digital mixing of unlimited numbers of tracks. Using WaveTools mixer, you can layer sound upon sound to produce rich, full audio tracks that have the quality of studio made multitrack recordings. Using WaveTools extensive editing and mixing functions, you can sweeten your basic tracks with overdubs, perform ADR, and place sound effects at specified points in the soundtrack. Best of all, since WaveTools is processing audio in the digital domain, there is no generational loss or noise increase normally associated with outdated analogue mixers and recorders. WaveTools is able to sample data at a variety of sampling rates as low as 19KHz as well as the standard rates of 44.1KHz and 48KHz for CD and DAT compatibility. WaveTools includes a waveform editor for cut, copy, paste and mix operations on selected portions of audio waveforms. Edits can be tagged as destructive or non-destructive. WaveTools also maintains an internal time code in the format of SMPTE 24, 8 and 30 frames per second to ensure perfect synchronisation of your audio files with video and animation, if required.

WAVETOOLS** RTX (Real Time Effect - DSP, Real time echo, flange, filters etc, Real Time 8-track mixing to stereo, Real Time SMPTE PAL/NTSC coding) Out January - **£299.95

WAVETOOLS £349.95

TRADE ENQUIRIES WELCOME

VISA MasterCard

CREDIT CARD ORDERS ATTRACT A 2.5% HANDLING CHARGE. GOODS NOT SENT ON A TRIAL BASIS. E&OE. ALL PRICES INCLUDE VAT. STANDARD COURIER £3.00/NEXT DAY £8.00 (OVER 10KG – PLEASE CALL)

TO ORDER CALL OR FAX (0908) 220196

UK BBS (0908) 310208

FIRST COMPUTER CENTRE (LEEDS) Tel:0532 319444

"VOTED BEST DEALER" CU AMIGA JAN 93

FIRST COMPUTER CENTRE

OPEN 7 DAYS A WEEK

OPEN MON - SAT..................9.30AM-5.30PM
SUNDAY OPENING...........11.00AM-3.00PM
THURSDAY NIGHT LATE...9.30AM-7.30PM
MOST BANK HOLIDAYS..11.00AM TO 3.00PM

PREFERRED DEALERS FOR ACORN, CITIZEN, COMMODORE, DIGITA, PACE, PRIMA, SEGA, STAR ROMBO, SUPRA, US ROBOTICS

HOW TO ORDER

Order by telephone quoting your credit card number. If paying by cheque please make payable to the: "FIRST COMPUTER CENTRE." In any correspondence please quote a phone number & post code. Allow 5 working days for cheque clearance

- *Credit available!*

Please phone for details

- All prices include VAT
- All hardware/computers are UK spec.

UK MAINLAND DELIVERY TARIFFS

- Standard Delivery.........£1.00
- Guaranteed 2 to 3 day (week days) Delivery......£2.50
- Guaranteed Next Day (week days) Delivery......£4.90
- Open seven days a week
- 1200 sq. ft. showroom
- Free large car park
- Overseas orders welcome
- Educational orders welcome

FULL REPAIR SERVICE

We offer a FREE quotation on your computer or any peripheral (monitors, printers etc.). A delivery tariff of just £5.00 is charged or alternatively you can visit our showroom.

SALES & TECHNICAL

24 HOUR MAIL ORDER SERVICE 6 LINES!

0532 319444

FAX: 0532 319191

FOR DESPATCH & RETURNS ENQUIRES TEL. 0532 319444

SHOWROOM ADDRESS:

DEPT. AC, UNIT 3, ARMLEY PARK COURT, OFF CECIL ST, STANNINGLEY ROAD, LEEDS, LS12 2AE.

(Follow A647 signs from Leeds City Centre)

It is recommended that prices are confirmed before ordering goods E&OE.

AMERICAN EXPRESS · SWITCH · Access · VISA · MasterCard

2% surcharge on AMEX

AMIGA 1200 RACE & CHASE PACK

only £289.99!

NOW WITH NIGEL MANSELL F1 AND TROLLS!

A1200 DESKTOP DYNAMITE PACK

only £339.99

HARD DRIVE VERSIONS

	R&P pack	D D pack
64Mb	£439.99	£489.99
85Mb	£489.99	£537.99
127Mb	£519.99	£564.99
209Mb	£589.99	£629.99

Amiga 4000/030

Based on the 68030 processor. Complete with hard drive & 2Mb of chip RAM & WB3

only £894.99 for 80Mb version or £959.99 for 120Mb version

Amiga 4000/040 from £1889.99

with 6 Mb RAM and 130 Mb hard drive

AMIGA 600 Basepack now with X OUT game (LIMITED OFFER)

only £189.99!

AMIGA 600 64HD The Epic pack 20 Mb Hard drive, Epic, Rome, Myth, & Trivial Pursuit, Dictionary, Language Lab & D. Paint 3

only £359.99 (Inc On Site Maintenance)

The A600 Wild, Weird & Wicked

inc Micro Prose Grand Prix, Deluxe Paint 3, Putty & Pushover

Plus "X OUT" shoot em up only £194.99

A600 DELUXE ....ONLY £245.99

A600 20HD DELUXE..ONLY £339.99

inc. ROM sharer with 1.3 & 2.04 ROM's making incompatibility a thing of the past. The A600 HD Deluxe comes with a Built in 20 Mb hard drive

Just add 32.99 for a 2 Mb 600 Deluxe!!

All Amiga's come with Workbench, mouse & 12 month warranty. The A600's, A1200 & A4000 come with 12 months on site warranty All 1200/600's also come with a built in integral hard disk option.

PRIMA A1200 REAL TIME CLOCK

at last now you can date and time stamp your files Fits directly onto the motherboard with no soldering.

now only £12.99!

check for compatibility

A600 & 1200's HD kits

20Mb......*£89.99 60Mb....*£179.99
120Mb..*£219.99 80Mb....*£195.99
210Mb...*£359.99 *Just Add £10.00 for fitting
3.5" H/drive upgrade kit no HD only £22.99

THE CHAOS PACK!

- CHAOS ENGINE
- NICK FALDO CHAMPIONSHIP GOLF
- PINBALL FANTASIES
- SYNDICATE

THE AMAZING ZOOL PACK!

- ZOOL (97% Amiga Computing, Nov 92)
- STRIKER (94% CU Amiga, June 92),
- PINBALL DREAMS (94% AUI, Sept 92)
- TRANSWRITE word processor

either bundle only £29.99 or £19.99 with any AMIGA!

NEW! AMIGA CD32 PACK

based on the 68020 processor, the CD32 features AA chip set, A4 size footprint, 2Mb RAM, 128K flash memory, built in WB & the ability to play normal audio CD's

with Oscar and Digger only £289.99

CD Rom Amiga A570

Turns your Amiga 500 into a CDTV. Includes Fred Fish CDPD disk & Sim City

now only £147.99!

PRINTERS

All our printers are UK spec.

Canon · CITIZEN COMPUTER PRINTERS · SEIKOSHA · HEWLETT PACKARD · THE star COMPUTER PRINTERS

All our printers come with ribbon/toner, printer drivers (if available), paper & cables!!

CANON

Canon BJ10sx..................£199.99
Laser quality output. Large buffer
Canon BJ200....................£304.99
3 page a min speed, 360 dpi, small footprint & 80 page sheetfeeder
Canon BJ230....................£359.99
wide carriage version of above
Canon BJ300...........£419.99
Desktop bubble jet with laser quality
Canon BJ330...........£464.99
Wide carriage version of the BJ300
New! Canon BJC600 Col..£574.99
new bubble jet from Canon
BJ10 Autosheetfeeder...£49.99
Canon BJ10 cartridge...................£18.99

CITIZEN NEW LOW PRICES!

Citizen printers have a 2 year guarantee
Swift 90 Colour......................£169.99
Excellent value 9 pin colour. Highly recommended
Swift 200 Colour...........£204.99
Same out put as the 240 but with less facilities
Swift 240 Colour...................£249.99
24 pin, 240cps draft, 10 fonts, quiet mode, 240cps.
NEW! Projet II.......................£254.99
new inkjet printer with built in auto sheet feeder
Swift Auto Sheet feeder..£79.99

HEWLETT PACKARD

HP Deskjet Portable..only £274.99
New! HP510 mono.now £261.99
HP 500 Colour........now £309.99
HP 550 Colour........now £484.99
4 times faster than the HP500C!!
HP500 mono cartridges.................£14.99
Double life 500 cartridges.............£24.99
All HP printers come with a 3 year warranty

SEIKOSHA

Seikosha SP-1900..........£124.99
Seikosha SP-2400..........£154.99
Seikosha SL-90................£159.99
Seikosha SL-95................£295.99
Seikosha Speedjet 300...£319.99
12 month extended warranty £10.00

STAR

StarLC20........................£132.99
180 cps draft, 45 cps NLQ, quiet mode and multi fonts, push button operation.
Star LC100 colour..........£139.99
9 pin colour, 8 fonts, 180 cps draft, 45 cps NLQ
Star LC200 colour.........£195.99
9 pin colour, 8 fonts, 225 cps draft, 45 cps NLQ, A4 landscape printing.
NEW! Star LC24-30 Col......£229.99
NEW! Star LC24-300 Col.....£299.99
24 pin quality, 210 cps draft, 67 cps LQ, 39K buffer expandible to 48K, 10 fonts and quiet mode.
Star LC24-200 colour.£264.99
Colour version with 30K buffer expandable to 62K
Star SJ48 Bubble jet.....£217.99
Laser quality, ultra quiet, Epson compatible & portable
NEW! Star SJ144 Colour Thermal
Stunning affordable colour printer. 3 PPM, low running costs
only £514.99
Star SJ48 Autosheet feeder..........................£49.99
Star SJ48 cartridge.............................£18.99
Star SJ144 cartridge (pack of 3)......................£42.99
Star SJ48/BJ10 Refill kit.................................£11.99

Laser Printers

on-site warranty standard
Seikosha OP-104............£579.99
4 PPM HP2P emulation
HP Laserjet 4L..............£609.99
1Mb RAM, 4 ppm, small footprint
OKI 400e.......................£514.99
4 page laser, mult font, 512k memory, HP emulation
Ricoh LP1200....................£669.99
add just £114.99 for 2 Mb of extra RAM

MONITORS

All our monitors are UK spec. All monit… come complete with a free Amiga lead

PHILIPS CM8833 MK2 Colou…

Colour stereo monitor. 600*285 line resolution, … screen facility, one years on site maintenance.

only £209.99 UK Spec.

PHILIPS Tilt & Swivell stand .£13.9…

Commodore 1084ST Colour

Features built in tilt & swivel stand this new colour mon… from Commodore is outstanding value

only £199.99

GOLDSTAR SVGA .28 dp

Colour monitor with overscan

only £249.99

Sharp TV/Monitor.....only £189.9…

inludes remote control

COMMODORE 1940
Dualsync, .39 dpi only £284.9…
COMMODORE 1942
Dualsync, .28 dpi only £379.9…
COMMODORE 1960
multisync .28 dpi only £379.99

MICROVITEC 14" MULTISYNC

1year warranty only £399.99

SONICA Colour Monitor

similar to the Philips 8833 mark 2 monitor

only £194.99

RETINA 24 bit graphics car…
from £334.99

SUPRA MODEMS

The Supra-Fax 144LC V.32 bis (14400 baud!)

Low cost version of the classic V32Bis Fax modem. Fe… tures as below but class 1 fax only and LED display

only £194.99!

The Supra-Fax Modem V.32 bis (14400 baud!)

Send & receive fax messages using fax s/w. This ne… modem from Supra has full 14400 baud capabilit… Spec includes V.32bis, V.32, V.22bis, V22, V21, MNP… 5, V.42, V42bis, Class 1 & 2 commands, 9600/144… Group 3 Fax. Includes modem comms s/w & cable!

only £244.99!

Supra Fax +.only £119.9…

Send & receive faxes!(needs FAX s/w) Even fast… than the standard 2400 from Supra with auto dial … auto receive. 9600 bps Hayes comp. V22Bis, V42 B… MNP 2-5 & auto adjust to maximise transmissi… speeds. Includes free modem comms s/w & cable!!

Supra 2400..only £74.9…

Get on line using this great value fast modem wi… auto dial & receive. 2400 baud Hayes comp, V22 Bi… Includes free modem comms s/w & cable!!

GP fax software only £49.99!!

Fax software is not included with Supra modem… All Supra Modems come with a 5 year warra…

US ROBOTICS

PREFERRED DEALERS

Sportster 2496+FAX.......................£146.9…
Sportster 14400 FAX.......................£248.9…
WorldPort 14400+FAX.....................£257.9…
Courier HST (16.8)..............................£399.9…
Courier V32bis Terbo+FAX...........£449.9…
Courier HST/Dual 16.8 Fax............£499.9…
Courier HST/Dual 16.8 Terbo Fax £559.9…

If you thought V32bis was fast try the terbo! The… come with a 5 year warranty & are BABT Approved…

PACE MODEMS

MicroLin V22b FAX ...... £175.9…
MicroLin V32b FAX ..... £274.9…
5 year warranty and FULLY BABT Approved !!

PRIMA A500 & A600 RAM

3 YEAR WARRANTY!!

	A500P	A600
Unpopulated	only £16.99	£23.99
Populated to 512K	only £19.99	£28.99
Populated to 1 Mb	only £28.99	£33.99

1Mb A600 OR A1200 RAM card........£114.99
2Mb A600 OR A1200 RAM card........£169.99
AMIGA A500 512K RAM by PRIMA
for the original 1.2/1.3 AMIGA..only £13.99

32 BIT RAM (for A4000 etc)

1 Mb SIMM........£POA
2 Mb SIMM........£POA
4 Mb SIMM........£POA
8 Mb SIMM (only for Microbotics)........£POA

RAM & CUSTOM CHIPS

Co processors for the A4000
Motorola 68882 PLCC(33Mhz)..£74.99
Co processors for Microbotics
Motorola 68882 PGA (33Mhz)..£79.99
Motorola 68882 PGA (40Mhz)..£89.99
Motorola 68882 PGA (50Mhz)..£169.99
(for Microbotics boards inc crystal chip)
1Mb by 8/9 SIMMS.....per 1 Mb £POA
4 Mb by 9 SIMMS.....per 4 Mb £POA
1 Mb by 4 DRAMS.........per 1 Mb £42.99
1 Mb by 4 ZIPS.............per 1 Mb £39.99
256 by 4 DRAM (DILs)
4+ (512K)....................now only £3.99
8+ (1Mb).....................now only £3.94
16+ (2Mb)...................now only £3.89
Kickstart 1.3....................£17.99
Kickstart 2.04..................£24.99
Fatter Agnes 8372A..........£25.99
Super Denise....................£16.99
6571-0326 Keyboard controller...£13.99
CIA 8520A I/O controller..........£7.99

MICROBOTICS RAM

The MBX1200Z CO-PROCESSOR & RAM BOARD for the A1200
Realise the full potential of your A1200 with this trapdoor expansion. inc real time clock
68881 14MHZ....................£119.99
68881 25MHZ....................£129.99
68882 33MHZ....................£139.99
68882 50MHZ....................£209.99
The RAM boards can only work with the use of the Co-Pro board

SUPRA RAM

Simply the best! Fits onto the side expansion port Auto configures with no software patching.
8Mb pop to 2 Mb........£159.99
8Mb pop to 4 Mb........£214.99
8Mb pop to 8 Mb........£319.99
8Mb pop to 2 Mb for 2000/1500 range..£149.99

GVP PRODUCTS

A500 products
HD8+/0Mb drive............£127.99
HD8+/42Mb drive...........£197.99
HD8+/80Mb drive...........£297.99
HD8+/120Mb drive.........£397.99
A530/42Mb drive............£397.99
A530/80Mb drive............£497.99
A530/120Mb drive..........£597.99
A530/213Mb drive..........£697.99
PC286 Emulator for HD8+/A530..£94.99

A1200 Products
SCSI/RAM/FPU OMb..........£194.99
SCSI/RAM 4Mb/FPU6888233MHz only£394.99
33 Mhz 6882 for A1200 SCSI/RAM only£77.99
External SCSI kit SCSI/RAM.......£47.99
A1230 RAM FPU board...........£247.99
A1230 with 4Mb RAM Board.......£397.99

A1500/2000/3000/4000 Products
HD8+/42Mb.......................£197.99
HD8+/80Mb.......................£297.99
HD8+/120Mb.....................£397.99

SPECIAL OFFERS!

Directory Opus 4..........£45.99
Kindwords 3..........£24.99
Maxiplan 4 spreadsheet..........£24.99
Scala 1.13..........£49.99

PAGESTREAM 2.2 DTP only £64.99

XCOPY PRO PLUS HARDWARE £25.99

TECHNOSOUND TURBO only £25.99
Technosound Turbo 2..........£34.99

ROCHARD DRIVES for the A500/A500+ from £219.99

Mega Lo Sound..........£25.99

GVP HC8+ from £199.99

IVS TRUMPCARD IDE controller similar to the GVP hard drive for the A500. Space for 8Mb of RAM using SIMMS only £49.99
phone for prices with hard drives fitted

POWER SCANNER V3

With the latest version 3 s/w for bright & sharp grey scale performance. Flexible scanned image display manipulation options, plus Clean up, embolden, resize & flip.
only £99.99 on demo
Colour version only £239.99
EPSON GS6500 COLOUR FLATBED
only £689.99 phone for details & demo
Art Department Pro Scanner S/W..£109.99
compatible with Epson ES300C, ES600C, ES800C, GT6000, GT6500 & GT8000

MICE & TRACKERBALLS

GOLDEN IMAGE MEGA MOUSE
90% rating. Our best selling mouse..........£12.99
DATALUX CLEAR MOUSE
High quality clear 2 button mouse..........£19.99
Zydec Trackball..............£29.99
Golden Image Trackball...£37.99

DISK DRIVES

Prima Addup 3.5" only £56.99
1 meg high quality external drive at a low price.

Cumana 3.5" only £56.99
1 meg external drive. The best name in disc drives now at a great price.

OPAL VISION

24 bit graphics card & video system for the 1500 2000/3000/4000. Includes software bundle
only £509.99 with Imagine 2!

PICASSO II

New generation retargetable graphics has arrived with this true 24 bit graphics board for the A2000/3000/4000.
1Mb version..........£289.99
2Mb version..........£325.99

GENLOCKS

Commodore A2300 internal Genlock only £119.99

GVP Genlock........only £297.99
features professional SVHS output
Rocgen Plus..........only £149.99
Includes dual control for overlay and keyhole effects, extra RGB pass thru. Now A1200 compatible!
Rendale 8802 FMC..only £169.99

ROCGEN ROCKEY

For creating special effects in video production with genlocks..........only £139.99

PRIMA ROM SHARERS

This high quality ROM sharer features a flexible ribbon connection so that it can be positioned anywhere within your A500 Plus or A600. Full 2 year replacement warranty
now only £19.99 or £27.99
for keyboard switchable version

ROMBO PRODUCTS

New! VIDI 12 Real Time.£134.99
Real time colour digitizing from any video source. full AGA support
New! VIDI 24 Real Time.£223.99
24 bit quality real time colour digitizing from any video source. Full AGA support
New! VIDI 12 AGA..........£74.99
Full support for AGA chipset. Colour images captured in less than a second, mono images in real time with any video source. Multitasking s/w, cut & paste.

VIDI 12 SOUND & VISION AGA
with built in Megamix Master..........£98.99
TAKE 2..........£37.99
Features include load and save from D. Paint animations and IFF files. Supports HAM graphics.
Megamix Master........£29.99
8 bit, high spec. sampler. Special effects include echo that can be added in real time, fully multitasking & easy to use.

ACCELERATORS

MICROBOTICS

New M1230 for A1200 withup to 128 Mb fast RAM!
M1230 XA 33Mhz, 0Mb..........£245.99
M1230 XA 40Mhz, 0Mb..........£264.99
M1230 XA 50Mhz, 0Mb..........£329.99
See "RAM & CUSTOM CHIPS" section for prices on Co-pro's and 32 bit RAM. Call for prices on upgrades from MBX1200Z to MBX1230XA

GVP

A1230/0Mb RAM for A1200 only £284.99
A1230/1Mb RAM for A1200 only £384.99
6882 Co Pro for A530..........only £129.99
1500/2000 G-FORCE 030-25MHz with 4Mb 32 bit RAM..........only £479.99
G-Force 030-40MHz with 4Mb 32 bit RAM only £729.99

NEW! SUPRA ACCELERATOR for the A500/A500+ & A1500/2000
28 Mhz, uses A500 side port so there is no internal fitting
only £129.99!

ACCESSORIES

Real Time A1200 internal clock module.....only £12.99
Mouse/joystick manual port switcher.........only £13.99
Computer Video Scart Switch..................only £19.99
2/3/4 way Parallel port sharers £POA
Amiga Sound Enhancer Plus by Omega Projects. Hear the Amiga's sound like you've never heard it before! ...only £36.99
QUALITY MOUSE MATS..........£3.99
20 CAPACITY DISK BOX..........£2.99
40 CAP LOCKABLE DISK BOX..........£4.99
100 CAP LOCKABLE DISK BOX..........£6.99
*90 CAP STACKABLE BANX BOX..........£9.99
*150 CAP STACKABLE POSSO BOX..........£18.99
*add £3.00 delivery if purchasing just one Posso or Banx box. Free delivery when purchased with other product or when buying 2 or more.
AMIGA A500 DUST COVER..........£3.99
AMIGA 600 COVER..........£2.99
14" MONITOR DUSTCOVER..........£6.99
12" MONITOR DUSTCOVER..........£5.99
AMIGA TO SCART CABLES..........£9.99
STD 1.8 METRE AMIGA PRINTER LEAD....£4.99
MODEM AND NULL MODEM CABLES......£9.99

AMIGA CONTROL STATIONS
A500 or 1200 VERSION..........£36.99
A600 VERSION..........£29.99
PRINTER STATION..........£28.99

DISKS

All disks are 100% error free guaranteed
New High density 3.5 inch bulk and branded
Please phone for best prices!

QTY	3.5" DD/DS Bulk	3.5" DD/DS BRANDED
10	£4.99	£6.99
30	£14.99	£17.99
50	£21.99	£28.99
100	£39.99	£54.99
200	£73.99	£99.99
500	£169.99	£POA
1000	£339.99	£POA

Branded disks come complete with labels
Disk Labels....500....now only £6.99
Disk Labels..1000....now only £9.99

SOFTWARE

PD IN STOCK

BUSINESS

Gold Disk Office U.K.spec..........£45.99
Home Accounts 2..........£37.99
Maxi Plan 4..........£24.99
Mini Office..........£38.99
PERSONAL FINANCE MANAGER+..........£29.99

MISCELLANEOUS

Distant Suns..........£35.99
GB Route Plus..........£45.99

MUSIC/SOUND

Audio Engineer Plus V2..........£243.99
Bars & Pipes Professional..........£259.99
Clarity 16 sampler..........£105.99
Deluxe Music Construction Set v2..........£59.99
Pro Midi Interface by Microdeal...£24.99
Stereo Master..........£29.99
SUPER JAM..........£74.99
Techno Sound Turbo..........£25.99
Techno Sound Turbo 2 NEW!..........£34.99

PROGRAMMING

Amos Creator..........£34.99
Amos Compiler..........£21.99
Amos 3D..........£25.99
Amos Professional..........£47.99
Amos Professional Compiler now only £24.99
Blitz Basic..........£49.99
DEVPAC 3..........£50.99
Easy AMOS..........£24.99
LATTICE C Language Version..........£229.99

PUBLIC DOMAIN at £1.50!

AGA Grapics Utils..........2797b
Andy's Workbench 3 Utils..........2622
Disk Copy version 3.1..........2634
Fairlight 242 Demo..........242
Fit Chicks AGA..........2653B
Grand Prix Manager..........2639
Klondyke AGA..........2797C
Last Stand in Hoth A..........2754A
Last Stand in Hoth B..........2754B
Last Stand in Hoth C..........2754C
Last Stand in Hoth D..........2754D
Magic Workbench..........2875
Mindwarp AGA Demo..........2789
Point of Sale Demo (1200 only)..........2759
Revelations..........2545
Spectrum Emulator version 1.7..........2710
Spectrum Games Disk..........2740
State of the Art..........2371

UTILITIES

AMIBACK..........£44.99
AMIBACK TOOLS..........£39.99
AMIBACK PLUS TOOLS BUNDLE NEW!..£74.99
AMIGA Release 2.1 software upgrade.....£49.99
Cross Dos V5..........£36.99
Directory Opus 4..........£45.99
GP FAX 2.3 software..........£49.99
Giga Mem..........£51.99
QUARTERBACK V5.........now only £40.99
Prima A600/1200 Hard Drive setup software. This is the best setup software on the market!..........£5.99
Latest version of this Fast & Famous hard disk backup utility.
Quarterback Tools..........now only £54.99
Quarterback Tools Deluxe..........now only £64.99
Xcopy Pro inc. hardware..........now only £25.99

VIDEO AND GRAPHICS

37 Compugraphic fonts Vol 1, 2, or 3 by GT.only £9.99
Adorage..........£61.99
Art Expressions..........£154.99
Art Department Pro 3..........only £145.99
Art Department Scanner software.only £114.99
A.D.P. Tools Pro V2..........£109.99
BRILLIANCE Pro. paint and Animation..........£149.99
CALIGARI 24 3D Design and animation..........£94.99
Deluxe Paint 4 AGA..........£66.99
Imagine V2..........£124.99
Image Master RT..........£149.99
Understanding Imagine V2 book..........£29.99
Make Path for Vista..........£26.99
Morph Plus..........£147.99
Morphus by Impulse for Imagine..........£59.99
Real 3D Classic..........£65.99
Real 3D V2..........£349.99
Scala 1.13..........£49.99
Scenary Animator V4 (3Mb reqired)..........£49.99
TRUE PRINT/24..........£49.99
VIDEO DIRECTOR..........£115.99
VIDEO MASTER..........£49.99
Vista Pro 3 (4Mb required) NEW!..........£50.99

WORD PROCESSING/DTP

FINAL COPY 2 (UK) RELEASE 2......only £66.99
built in outline fonts, full graphics import (IFF and HAM), UK thesaurus, spelling checker & much more.
FINAL WRITER DTP NEW!..........£113.99
KINDWORDS V3..........only £24.99
PENPAL 1.4..........only £29.99
Best selling feature packed word publisher with database.
PAGESTREAM 2.2 U.K. version......only £64.99
PAGESTREAM 3 U.K. version......only £249.99
PAGESETTER 3..........£42.99
Hot Links..........£48.99
PRO PAGE V4..........£109.99
PRO PAGE V4 & Pro Draw 3..........£139.99
Protext 4.3 W/P..........now only £39.99
Prowrite 3.3 NEW!..........£38.99
THE PUBLISHER DTP NEW PRICE!.....£24.99
WORDWORTH 2 AGA..........£44.99

The last word?

Final Writer claims to take Amiga office software onto a new professional plateau inhabited by such icons of quality as Microsoft Word, but is this a tall claim? Stevie Kennedy finds out

After the activity of a year ago when Wordworth 2 and Final Copy emerged in a flurry of renewed fighting over the Amiga productivity market, things have been rather quiet on the word processing front. Ever since that time, though, SoftWood's designers have been beavering away at a secret weapon designed to end the war by Christmas.

Final Writer is a natural successor to Final Copy II, the program on which it is based, and attempts to answer some of the criticisms its little brother has attracted. Though a high quality package capable of superb output and with graphics management second to none in its field, FCII lacked many of the power word processing features enjoyed by its rivals.

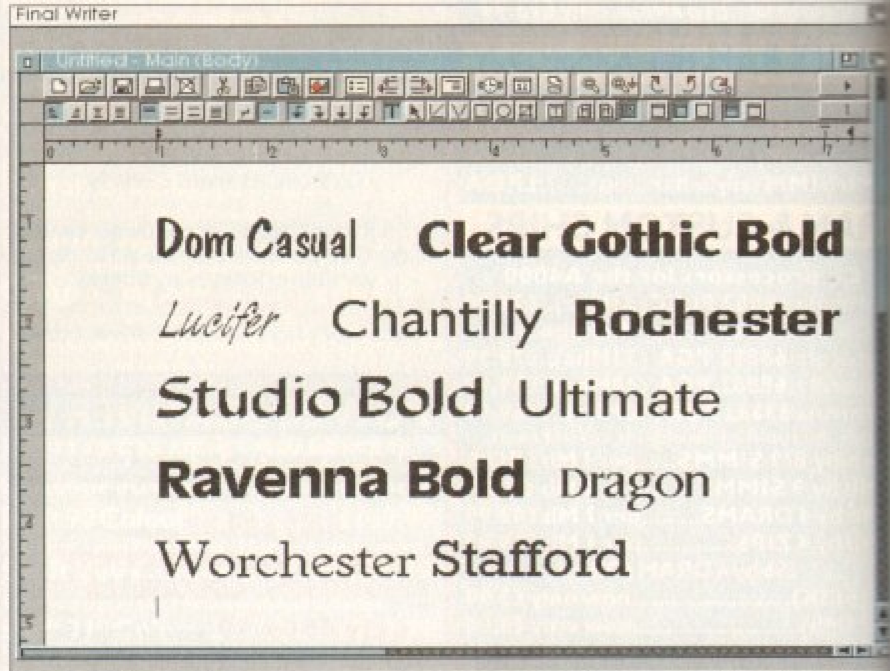
A carefully crafted user interface, slick presentation, and ease of use guaranteed FCII a large and appreciative audience, but without strength in depth it could never hope to compete for the serious word-crunching jobs such as manuals, books, and lengthy reports to which Wordworth 2 was better suited. Final Writer tries to eradicate that gap and offer more power without losing the easy going nature of its ancestor.

In essence, the two programs are understandably similar in appearance, but there is much more to Final Writer than at first meets the eye. In fact, to compare it directly to FCII is like comparing a Ford Escort to a Sierra Cosworth simply because they bear the same manufacturer's stamp and design style.

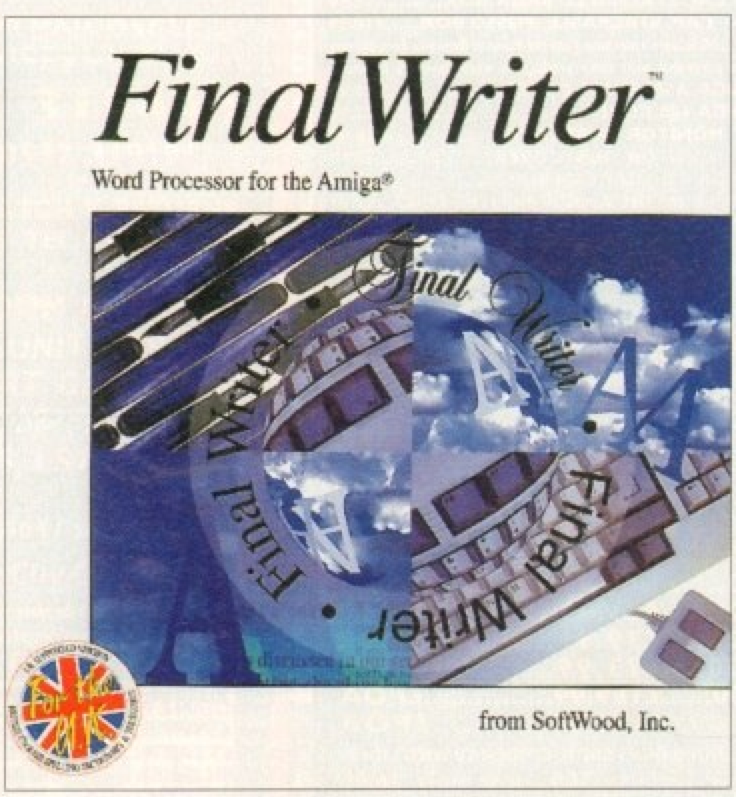
To attract users with big job requirements, Final Writer starts with a battery of improved layout and document handling facilities, the most important of which is the master page approach. Simply put, this enables the user to create a template of every page in the document bearing common information such as the document title, section headings, page numbers, and so on, making document processing a much easier job.

For example, if the title of a document is changed, it is a simple matter to change the master page for all pages to bear the new title, and if a logo is to appear on every page, the graphic need only be inserted once on the master page. Even better, Final Writer offers a section-by-section layout tool which gives the user complete control over the different parts of a document.

A document is treated as a number of sections, one each for such components as the main body text, the title, page, contents, and so on, and the user can create sections and swap between them at will. In this way, a document containing two or more very different styles (such as the difference between body text and a



Some of the many fonts on offer



DIY delights

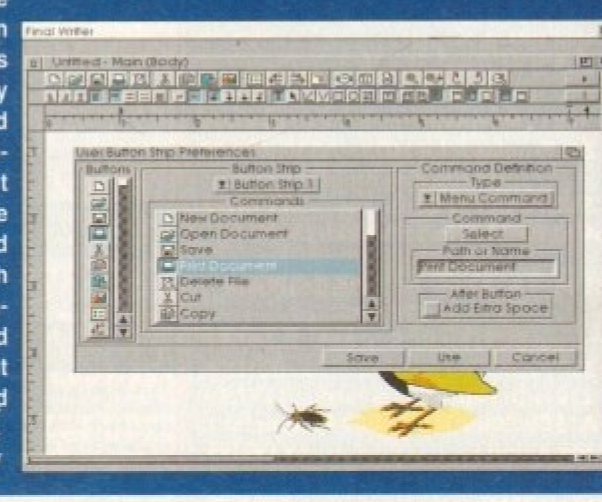
Final Writer is easily the most configurable Amiga word processor ever. It has a superb preferences menu similar to FCII's, but on top of this it has a user-definable button bar and menu, and an ARexx macro system with 26 pre-defined scripts.

There is no auto-record for these macros, which means that users will have to master the basics of ARexx before writing their own, but the button bar and menu should negate the need for most of us to use the 174 dedicated ARexx commands.

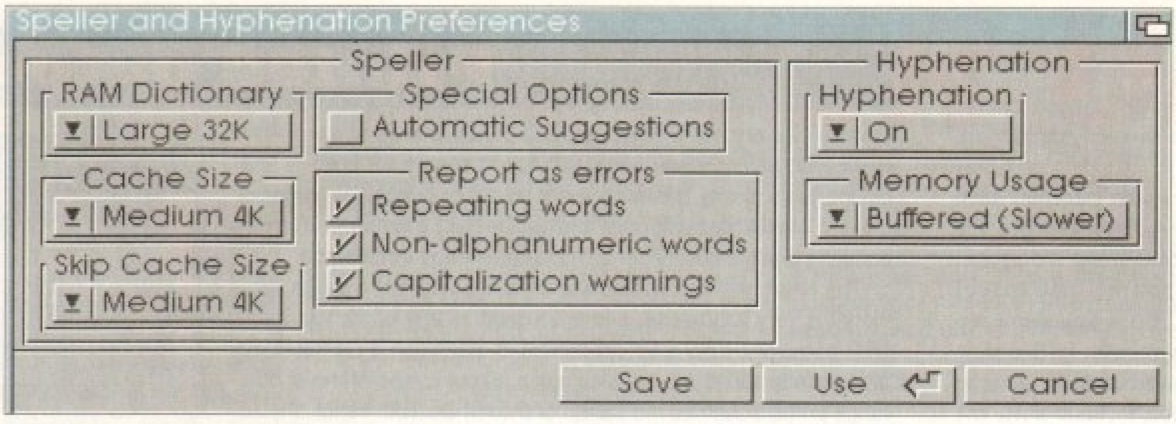
To change the default button bar, users need only select the appropriate preferences option, choose a new button icon, and assign a menu command, ARexx script, or string command (a single ARexx command) to the button. There can be as many button strips as needed, though two will usually be enough, and the user can swap between them at will.

An auto-record feature, such as that planned for PageStream 3.0, would have significantly enhanced the power of ARexx macros for beginners, but the potential is at least there if required. Given the almost obsequious nature of the user-friendly button bar and user menu, ARexx macros tend to lose some of their significance, but many are very useful.

For example, the package has no option to make text bold, as this will normally involve loading the bold equivalent of the present typeface, but ARexx macros are available to be assigned to user buttons which will create the equivalent of bold, plain, and bold-italic text without the user having to load another font.



The user button bar configuration option is simplicity itself



Set RAM cache preferences to speed up the speller

title page) needn't be split into separate files, but can be kept together as a collection of sections.

Each section can have its own page numbering or the user can set the page number at which each section begins, so when printing it is easy to stitch everything back together.

The main body of any document always has a number of default styles, but the user can define new styles, and as each section can have its own master pages there is a great deal of flexibility in the system. Default styles include settings for sub-topic headings, the table of contents, and so on, and all are user-definable.

Unlike in Wordworth 2, the user can decide not only to automatically generate an index or table of contents, but can also select the font and text style in which the various elements of the table will be printed. Large friendly requesters handle all such operations in style generation, and each style can be assigned a hot key.

In short, there is little the program could do that it isn't already doing to make life easier for large documents. With the master page, sections, style tags, and automatic list generation features, those writing long reports or novels will find in this package a lot of time and energy saving attractions.

SCIENTIFIC

In any legal or scientific document, the main body of text is more often than not arranged in sections which may have their own topic headings or a simple section identifier such as I.(a).ii. To cater for this sort of document, Final Writer gives the user complete control over how outlines are generated.

Automatic generation of the outline is determined by the styles used in a document, so that if we wanted all sub-topics included we would go to the style definition requester and indicate at what level in the outline each type of sub-topic appears.

At first this can be a little confusing, and a sample document would have helped new users, but with practice the outlining of complex documents should be no more difficult than marking words for inclusion in the index.

Other layout tools include multiple columns complete with vertical justification, hanging indents, and text boxes. The latter is a very DTP-esque feature and seems to lift Final Writer into the publishing arena, but in reality it is of limited use.

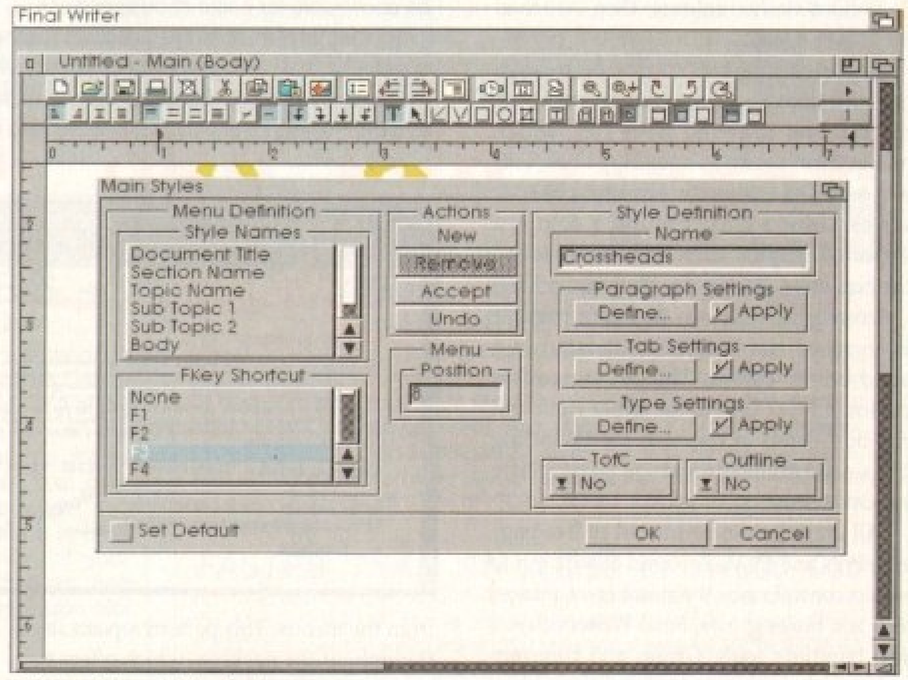
Text boxes can be created easily enough, moved around, rotated, resized, and treated to all extents and purposes as free agents on the page, but they can contain only a single line of text and are therefore of use only for headings and logos.

Improved flexibility does, of course, come with the ability to take a word and stretch, rotate, and re-colour it, but nowhere near as much flexibility as would be gained from treating all text as a page element.

All other operations regarding text and its handling are sound and well thought out, containing many options more usually associated with DTP. Of particular interest is the control over text width, leading, and oblique angle.

By selecting an area of text and using the width option, words can be given a new width from between 50 per cent and 150 per cent of the default for that typeface. Again, leading (the space between lines of text) can be controlled by selecting the number of points between each line (one point being 1/72 inch).

Oblique control offers the user a definable amount of italic-like slant in letters, either to the left or the right, and can be used in conjunction with other effects to create an unusual look for a masthead or logo. It is no substitute for a proper italicised typeface, and will seldom make an appearance in body text, but oblique can be a useful design tool.



Defining styles with the simple requester

With capitalisation under the beady eye of yet another option, offering all caps, normal, or small caps, Final Writer's text handling facilities come right up to scratch with the notable exception of a show invisibles toggle. This feature, to enable the user to see carriage returns, tabs, and spaces on-screen represented symbolically, is a basic of just about every other word processor in the world and a breathtaking omission from Final Copy II.

When the same omission cropped up on the professional follow up to FCII, I for one was puzzled and disappointed. Many might think this is a point of pedantry, but when loading a file from another source, perhaps an Ascii file from a CoverDisk or PD disk, or a document saved as Ascii from another word processor, it is absolutely vital that one can "light up" the control codes to see where the document might have a lot of double spaces, tabs, carriage returns at the end of lines, and so on.

If such control is not possible, the hassle of re-formatting a document blind has to be experienced to be believed, and I would beg SoftWood to make good the fault as soon as possible.

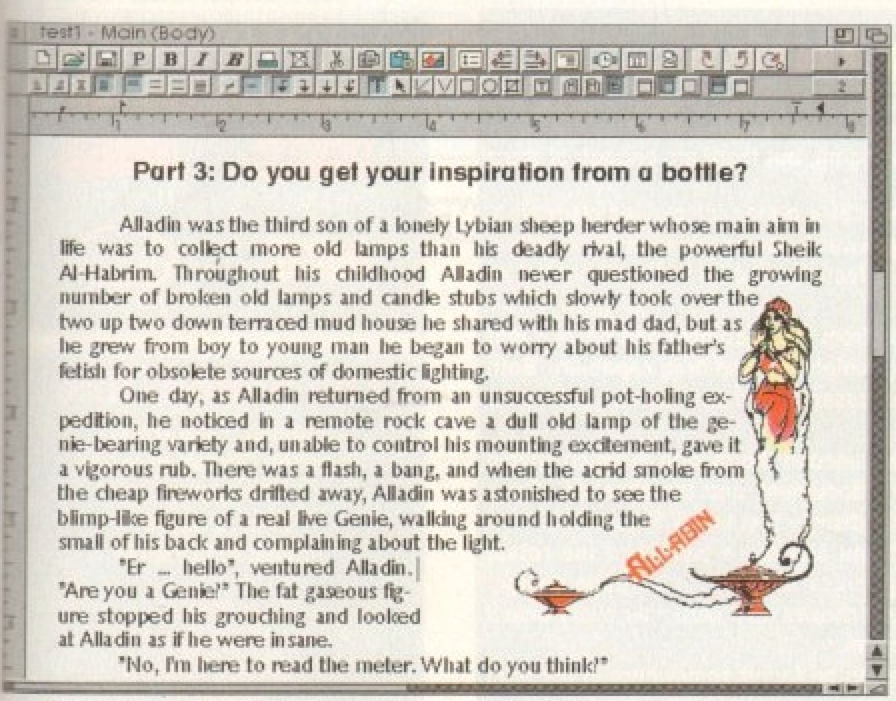
On a brighter note, Final Writer is a superb handler of graphics, the one area in which most other word processors take a dive. All IFF bitmap formats are supported as is the industry standard encapsulated PostScript (EPS), and either can be imported and displayed in full colour.

Speed of operation when graphics are involved can slow to a crawl on some packages, but Final Writer shows its SoftWood pedigree by providing both speedy treatment of imported graphics and a few built-in tricks of its own.

Lines, boxes, and ellipses can be drawn directly on screen using icons on the button bar, and text flowed around them in the same way as imported graphics, giving the program a distinct edge in presentation terms. Creating documents with borders and other graphical content is much easier than in any other Amiga word processor, and screen update is refreshingly fast.

That's not to say speed doesn't suffer, and in 256-colour mode the program can become a bit tiresome. However, while Final Writer is being tiresome most other packages would have reached the "never mind, I'll hire a couple of scribes" stage, and the program has more than one tactical approach to feline de-furrification.

When large Ham8 or EPS pictures begin to slow things down a bit, simply changing the way the images are displayed is easy. The user can change each picture individually or all in a



Irregular text flow simulated using Final Writer's line drawing tools

document at once, so the largest can be turned off while the smaller graphics are displayed properly.

As soon as they are bumped into preview mode, on-screen images are replaced by a box containing a diagonal cross in time-honoured newspaper paste-up fashion, thus speeding up scrolling and screen refresh. In this way, pictures can be viewed in full colour to check that they don't clash with the document's other colours, then switched off to save speed.

Imported graphics cannot be rotated, but any lines or shapes produced using the integral drawing tools can, which makes them useful as bounding lines. This is a technique whereby the user draws a series of lines close around a complex imported graphic, then flows text around the bounding lines rather than the image.

Irregular text flow is therefore possible even when the image is imported in a solid box of colour. The package offers contoured text flow to the left or right, but not both sides at once, so the bounding lines compromise comes in particularly handy in some documents.

All graphics can be treated as free page elements and moved around at will, but to retain control once the number of images and text boxes grows, Final Writer offers a few handling tools. Group and Ungroup perform their obvious functions, enabling the user to move and scale a group of images as one, while Lock and Unlock can be used to avoid unnecessary waits for screen refreshes because a graphic has accidentally been moved a tenth of a millimetre.

A whopping 100 EPS images, some good, some feeble, are included with the package and are accompanied by 120 outline fonts in the NimbusQ format. Final Writer will also accept any AGFA or Adobe Type 1 PostScript fonts, a fact which is particularly welcome given that it will print EPS images and PostScript fonts to any printer, and has a good custom PostScript driver for the rich users out there.

At times, the screen display of such fonts is less than perfect, and at normal (100 per cent) magnification, nine point text can be difficult to read.

Final Writer attempts to offset this by giving the user control of screen resolution, which can be set up to 300 by 300 dots per inch using the excellent preferences menu, but the only real answer is to buy a bigger monitor or use the 125 per cent viewing setting.

Flipping back and forward in view modes can be annoying, but as there are three ways of doing this (menu, button strip, and holding down Alt while clicking the mouse button), the user at least has plenty of choice.

Navigation in general is a pleasure with this program, as the user can jump between sections, use the scroll bars to quickly jump from one part to another, use the page button, or select Go To Page from the menus. This pattern repeats itself throughout the package, which offers two or three ways of doing everything before the user even considers ARexx macros or the user-definablebuttons and menus, and this is a tribute to the thought which has so obviously gone into the whole package.

From the 700 page manual (I'd have preferred it ring-bound, but never mind) to the smooth operation of just about every feature, Final Writer is a product which oozes professionalism and an attention to detail.

As a word processor, it has several advantages over Wordworth 2, hitherto the leader on the serious side of things, and yet it has all the qualities and more that made Final Copy II a hit as a simple DTP package. Such a combination is hard to beat, and although SoftWood might not have made it to the Microsoft Word level just yet, they're not very far off with this release.

AC

Printed output

Final Writer enjoys excellent printed output thanks to its built-in PostScript printer driver and its ability to send EPS images and outline fonts to any printer. If a dot matrix or bubble jet printer is used, Final Writer will coax the unit's best resolution from it, ensuring that the quality of hard copy is as good as it can be.

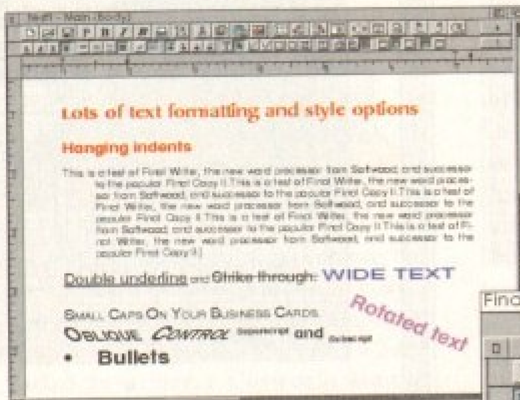
The clean way in which outline fonts appear from a cheap bubble jet is very impressive, and is as good as any of the top notch DTP packages. EPS graphics printed at 300dpi on a Canon BJ10 are similarly satisfying, so documents output to one of the middle range printers such as the Canon or the HP DeskJet series should be acceptable for home or business use.

Printing preferences are available for the program's final (best quality) or draft (images printed as preview boxes) settings, and for graphics printing. Dithering can be either ordered or halftone, and the PostScript printer preferences also offer custom halftone settings for screen angle, lines per inch, and whether dots or lines are used.

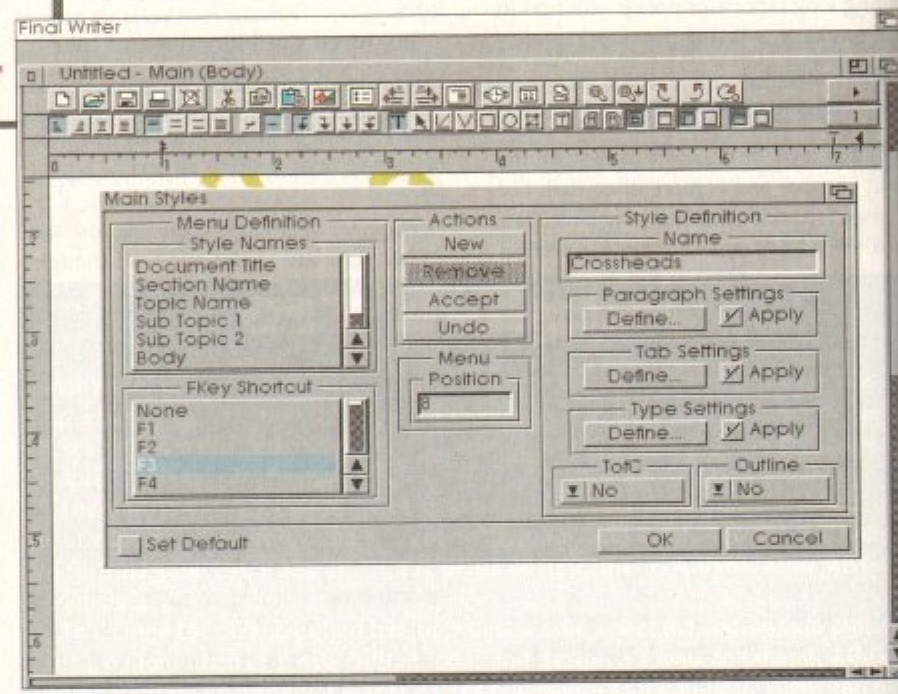
Default settings for most options are perfectly acceptable, but if the user has specific requirements or fancies a bit of tweaking, Final Writer is very accommodating.



Printing options are extensive and easily set



There are plenty of text style and formatting options for use in style tags



Missing links

If Final Writer doesn't quite live up to the claims that it rivals Microsoft Word, it is because of a small list of annoying omissions and features that haven't been finished off. None of these is particularly damaging, but there are enough of them to ensure that the package is flawed.

Of most concern is the lack of a show invisibles option, discussed elsewhere, which can make editing imported text very awkward, but up there on top with this is the lack if an undo edit feature. Both basic features should be implemented as soon as possible.

In other areas, it is impossible to copy text from the document and paste it into search and replace requesters, and there is no highlight and drag capability. Both are found in the leading PC and Mac word processors, and both can be great time savers.

Another omission is the lack of bookmarks, used in Wordworth 2, which enable the user to jump to pre-arranged places in a document, and the absence of any sample documents with related tutorials might dismay first time WP users.

Limited options on Ascii import/export can also be a pain, and the rotate function's refusal to work with imported graphics sets a limit on page design. Finally, the auto-save feature is very poor, as it throws up a requester every time it is about to save out and asks the user to confirm.

Excuse me, but isn't the word "automatic" to be found somewhere in the term "auto-save"?

SYSTEM ESSENTIALS

RED = Essential YELLOW = Recommended

1.5 Mb RAM — Hard drive

2 Mb RAM — WB 2.0 Kickstart

The bottom line

Product: Final Writer
Supplier: Gordon Harwood Computers
Price: £129.99
Phone: 0773 836781

Ease of use 9
Implementation 9
Value for money 9
Overall 9

GVP

AMIGA 500 OWNERS POWER UP!



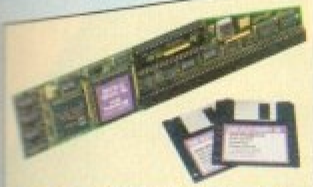
PICTURE SHOWS GVP HD8+, THE A530 FEATURES SIMILAR DESIGNER STYLING

Power up your A500 with the very best in Amiga peripherals. Give your computer a new lease of life with a hard drive or accelerator plus hard drive from GVP.

These powerful, award-winning products plug neatly into your A500 or A500PLUS, giving you more storage and more speed. The improvements don't stop there! In almost every area of Amiga operations these GVP peripherals can enhance the performance of your A500 or A500PLUS. Both models can upgrade your Amiga's RAM, making operations run even faster. You can add a PC emulator, (featured below left), which enables you to run thousands of PC software titles. Further hard drives, back-up systems and CD-ROM drives can also be added via the built-in SCSI interface. The list is endless, GVP's HD8+ and A530 are the undisputed premier Amiga peripherals available.

If you were thinking about upgrading to an A1200 or A4000, think again. With a GVP A530 Accelerator upgrade, your A500 will be 14 times faster than a normal A500, almost nine times faster than an A1200 and over one and a half times faster than the mighty A4000 030 (see chart below).

AT NEW LOW PRICES!



PC EMULATOR

FOR USE WITH HD8+ or A530

For extra power and flexibility you can also use GVP's custom expansion slot (mini slot) to fit a GVP PC emulator. This compact circuit board turns your Amiga 500 into a fully featured PC compatible computer, capable of running thousands of PC software titles, including Windows and MS-DOS 6.

- 80286 16MHz processor
- Norton SI index of 15
- Compatible with MS-DOS version 3.2 or later
- Windows 3.x compatible
- Includes 512K of FAST RAM
- Built-in video adaptor emulates VGA/EGA (mono), and Hercules
- Socket for optional 80287 co-processor
- Hard drive compatible
- Emulation support of Parallel and Serial ports, sound, realtime clock, CMOS RAM and extended memory

PC EMULATOR £99 INC VAT - EMU 0500

MORE STORAGE

GVP HD8+

HARD DRIVES + RAM EXPANSION

A GVP HD8+ Hard Drive will have an immediate effect on your Amiga. Where you used to constantly swap disks, wait for files and programs to load and sit around waiting for disk accesses, you will now be pushed to keep up with the speed of your Amiga. Hard drives are used for the same storage purposes as floppy disks, but can hold a great deal more information and access this data much more quickly.

The A500 HD8+ (pictured above) provides the ultimate in hard drive performance, it can also increase the memory of your Amiga by up to 8Mb, support up to six SCSI devices and provide PC compatible emulation via its custom expansion slot (mini slot) see left.

COMPARISON CHART

FEATURES/MODEL	GVP HD8+	ICD TRIFECTA LX	COMMODORE A590 20Mb	EVESHAM REFERENCE 100
*TRANSFER RATE: Kb per second	1066	1028	564	400
GVP DESIGNER STYLING	✔	-	-	-
RAM EXPANSION(MAX)	8Mb	8Mb	2Mb	4Mb
MINI SLOT (FOR FUTURE EXPANSION)	✔	✔	-	-
SCSI INTERFACE	✔	✔	✔	✔
GVP PERFORMANCE Faaast ROM	✔	-	-	-
DEDICATED POWER SUPPLY	✔	✔	✔	-
PRICES FROM	£199	£295	£159	£329

* Figures taken from *Amiga Computing*, October 1993

"... the undisputed fastest Amiga hard drive available in the world."
Computer Mart April '92

"Without doubt the best hard drive available for the A500 ..."
Amiga Format April '93

AMIGA GOLD FORMAT 92% — BLUE CHIP AWARD

HD8+ 42Mb HD 0Mb RAM — PREVIOUS PRICE ~~£249~~ — **£199** INC VAT - HAR 0840

HD8+ 80Mb HD, 0Mb RAM — PREVIOUS PRICE ~~£349~~ — **£299** INC VAT - HAR 0888

HD8+ 120Mb HD, 0Mb RAM — PREVIOUS PRICE ~~£499~~ — **£399** INC VAT - HAR 0922

MORE SPEED

GVP A530

40MHz ACCELERATOR + HARD DRIVE + RAM EXPANSION

The GVP A530 is a unique combination of a Hard Drive, RAM upgrade and an Accelerator. Inside is a full Motorola 68030EC processor running at 40MHz, making your A500 faster than you thought possible - almost nine times faster than an A1200. And, fitting a PGA maths co-processor (40MHz 68882, ref: UPG 1982, £129 inc VAT) can improve this still further, with some operations being 300 times faster than an A500. In addition you can add up to 8Mb of 32-bit RAM, which further enhances performance.

FASTER THAN AN A1200 or A4000 030

An A500 with the GVP A530 fitted will be considerably faster than either the A1200 or A4000. This is possible because the A530 uses a 40MHz 68030EC processor, whilst the A1200 uses the slower 14.19MHz 68020EC processor and the A4000-030 uses the 25MHz 68030EC processor.

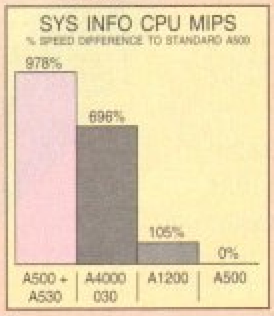
Features include:

- 40MHz 68030EC Processor (the A1200 has a slower 14MHz 68020EC processor)
- Up to 8Mb of 32-bit Memory, 1Mb of 32-bit Fitted
- PLUS Same Features as HD8+
  - Mini-slot for Future Expansions, see PC Emulator - far left
  - Cut Off Switch for Game Compatibility
  - Dedicated Power Supply and Fan Unlike Many Competitors
  - Factory Installed Hard Disk
  - High Speed DMA SCSI Controller - Can Handle 7 Devices

"I liked the A530 so much that I bought one"
CU-Amiga October '92 - 97%

AMIGA GOLD FORMAT 94% — BLUE CHIP AWARD

FAST RAM
GVP's A530 includes 2 SIMM sockets for easy Fast RAM installation. One socket already contains 1Mb RAM. Options are 2 x 1Mb cards, 1 or 2 x 4Mb cards offering 2Mb, 4Mb or 8Mb of RAM.
1Mb RAM - £69 INC VAT - RAM 3216 | 4Mb RAM - £179 INC VAT - RAM 3246



A530 40MHz 68030EC, 42Mb HD, 1Mb RAM — PREVIOUS PRICE ~~£499~~ — **£399** INC VAT - HAR 0962

40MHz, 80Mb HD, 1Mb RAM — PREVIOUS PRICE ~~£599~~ — **£499** INC VAT - HAR 0968

40MHz, 120Mb HD, 1Mb RAM — PREVIOUS PRICE ~~£699~~ — **£599** INC VAT - HAR 0974

SILICA - THE AMIGA SPECIALISTS

SILICA 1978 1993 15 YEARS SERVICE TO YOU

Before you decide when to buy your Amiga peripherals, we suggest you think very carefully about WHERE you buy them. Consider what it will be like a few months after buying them, when you may require help and advice with your new purchase. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. With our unrivalled experience and expertise, we can now meet our customers' requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- *FREE OVERNIGHT DELIVERY:* On all hardware orders shipped in the UK mainland.
- *TECHNICAL SUPPORT HELPLINE:* A team of Amiga technical experts will be at your service.
- *PRICE MATCH:* We match competitors on a "Same product - Same price" basis.
- *ESTABLISHED 15 YEARS:* We have a proven track record in professional computer sales.
- *PART OF A £50M A YEAR COMPANY:* With over 200 staff - We are solid, reliable and profitable.
- *BUSINESS + EDUCATION + GOVERNMENT:* Volume discounts are available. **Tel: 081-308 0888.**
- *SHOWROOMS:* We have demonstration and training facilities at all our stores.
- *THE FULL STOCK RANGE:* All of your Amiga requirements are available from one supplier.
- *FREE CATALOGUES:* Will be mailed to you, with special reduced price Amiga offers, as well as details on all Amiga software and peripherals.
- *PAYMENT:* We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).

SILICA

HOT LINE 081-309 1111

MAIL ORDER: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX	Order Lines Open: Mon-Sat 9.00am-7.00pm (Sat 9.00am-5.30pm) — No Late Night Opening	**Tel: 081-309 1111** Fax No: 081-308 0608
CROYDON SHOP: Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ	Opening Hours: Mon-Sat 9.00am-6.00pm — Late Night: Thursday - 9pm	**Tel: 081-688 4455** Fax No: 081-688 4658
LONDON SHOP: 52 Tottenham Court Road, London, W1P 0BA	Opening Hours: Mon-Sat 9.30am-6.00pm — No Late Night Opening	**Tel: 071-580 4000** Fax No: 071-323 4737
LONDON SHOP: Selfridges (Basement Arena), Oxford Street, London, W1A 1AB	Opening Hours: Mon-Sat 9.30am-7.00pm — Late Night: Thursday - 8pm	**Tel: 071-629 1234** Extension: 3914
SIDCUP SHOP: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX	Opening Hours: Mon-Sat 9.00am-5.30pm — Late Night: Friday - 7pm	**Tel: 081-302 8811** Fax No: 081-309 0017
ESSEX SHOP: Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA	Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm) — Late Night: Thursday - 7pm	**Tel: 0702 468039** Fax No: 0702 468039
IPSWICH SHOP: Debenhams (2nd Floor), Waterloo House, Westgate St, Ipswich, IP1 3EH	Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm) — Late Night: Thursday - 9pm	**Tel: 0473 287092** Fax No: 0473 287092

To: Silica Systems, AMCOM 1200194 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND ME A GVP COLOUR BROCHURE

Mr/Mrs/Miss/Ms: .... Initials: .... Surname: ....

Company Name (if applicable): ....

Address: ....

....

.... Postcode: ....

Tel (Home): .... Tel (Work): ....

Which computer(s), if any, do you own? 120A

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

2 DISKS

The Publisher: professional desktop publishing for all with our latest fantastic freebie. Create advanced layouts for anything from flyers to complete magazines, then print them in awesome quality to any printer, including PostScript!

This is the most powerful package of its kind ever to make an appearance on a CoverDisk, so make sure you don't miss it.

PLUS: *all the latest and best shareware utilities*

● FEATURE PACKED

Amiga Art: we talk to leading commercial Amiga artists in the games and video industries and ask them how they reach pixelised perfection

Scala MM300 vs MediaPoint: the giants of the multimedia industry battle it out in a mammoth review of two of the Amiga's most powerful programs

Start 1994 with a bang!

With Amiga Computing's incredible February issue

ON SALE JAN 13

PLUS

- Sampler round-up
- Flight Sim round-up
- Ethernet for the A1200
- Tocatta and Wavetools 16-bit samplers
- GVP's Spectrum 28 EGS card

and lots, lots more!

With so much going on you'd be mad to miss out, so don't forget that essential trip to the newsagents on Jan 13

Plants For All Seasons

90% Amiga Format Gold Award, July 93. A comprehensive information manager for gardeners and botanists. Includes a horticultural dictionary, address and book databases. Requires 2MB RAM and 2 disk drives minimum. £39.95.

The Music Librarian

82% Amiga Format Award, July 93. Five related databases hold product, track, mail, dictionary, and book records. Any record can be bound to any other, and become accessible from requesters. Requires 2MB RAM and 2 disk drives minimum. £39.95.

Small businesses: Is your system inefficient, unreliable, or uncoordinated. We may be able to help.

The Video & Film Librarian

Expandable information system. Audio, Carrier, Dictionary, Library, Mail, Sequence, and Work records can be bound to allow relational access between databases. Requires 2MB RAM and 2 disk drives minimum. £39.95 (check availability).

The Plant Image Bank

500 still plant images so far. Suitable for multi-media work, or for use with 'Plants For All Seasons'. Most file formats supported. Special requirements catered for. For personal use, images cost between 20p and 60p each exclusive of VAT, discs, and postage.

Clearance List

ACCOUNTS

Accounts Master (PC)	£19.74
Cashbook Controller	£34.78
Home Accounts (bundle)	£9.87
Personal Accounts Plus (S/H)	£6.58

BOOKS

A2000 Users Manual	£9.95
A500+ Starter Manual	£7.95
Amiga 3D Gfx Prg In Basic	£12.95
Amiga Assembly Lng Prg	£10.95
Amiga C For Adv Prgs	£21.95
Amiga Desktop Video	£12.95
Amiga Enhancer 1.3 Manual	£6.95
Amiga Graphics In & Out	£21.95
Amiga Printers Inside & Out	£17.95
Get The Most/Amiga 1991	£2.95
Inside Amiga Graphics	£12.95
The Best Tricks And Tips	£16.95
The Home Computer Book	£6.95

CABLES

Too many to list, please call.

CAD

IntroCAD Plus	£64.86

COVERS (Buff)

14 Inch Monitor & Keyboard	£7.05
1084/8833 Monitors	£7.52
Amiga 500 Keyboard	£6.11
Atari ST Keyboard	£5.64
Atari SM124 Monitor	£7.52
Citizen 120D Printer	£6.58
IBM AT Keyboard	£5.64
IBM PC Keyboard	£5.64
Panasonic KXP1081 Printer	£6.58
Star LC24-10 Printer	£6.58

DATABASES

HomeBase	£14.57
InfoMaster (PC)	£19.74
Organiser (MSS)	£7.99
Prodata (Arnor)	£29.61

DTP

E Clips 2 EPS Clip Art	£39.95
Gold Disk Type Fonts; Dec	£19.74
Gold Disk Video Fonts; Dec	£39.95
Professional Page 1.3 (S/H)	£29.61

EDUCATION

Dinosaur Discovery Kit	£19.74
Money Matters	£13.63
Picture Book	£13.63
Target Maths	£13.63

GRAPHICS

C Light	£19.74
Deluxe Productions NTSC	£14.57
Graphics Starter Kit	£39.95
Icon Paint	£7.99
Image Finder	£39.95
Photon Paint 1	£9.87
Pixmate (S/H)	£14.57
ScapeMaker	£24.91
Scenery Animator	£49.82
Sculpt 3D XL	£49.82
VideoScape 3D (S/H)	£14.57
VideoScape Robot Objects	£7.99

HARDWARE

Cleaner For 3.5" Drives	£3.76
Cleaner For 5.25" Drives	£3.76
Comp.Pro Xtra Joystick	£12.69
Cross Over Boxes	£14.57
Flicker Master Screen	£9.87
MIDI Interface	£14.57
Monitor Station 14 Inch	£11.75
Naksha A500 Scanner	£59.69
Quickshot Wizmaster	£8.93
ROM Sharer (A500/2000)	£9.87

INTEGRATED

The Works Platinum WB2+	£29.61
The Works Bundle WB2+	£19.74

Works Platinum includes: Word Processor, Database, Spreadsheet & Communications

MULTIMEDIA

AmigaVision	£29.61

PROGRAMMING

GFA Basic Interpreter	£9.87

RIBBONS

CBM MPS 1500 Unbr.	£4.24
Citizen 120D Unbranded	£2.35
Citizen Swift 24 Branded	£4.23
Epson LQ400 Unbr.	£2.35
Epson LX800 Unbr.	£1.88
Epson LX800/RX80 Br.	£2.82
Epson LX80/86 Unbr.	£1.88
Star LC/XB24-10/15 Br.	£5.64
Star LC10/NX 1000 Clr Br.	£5.17
Star LC10/NX 1000 Br.	£3.76
Star LC10/NX 1000 Unbr.	£3.29
Star LC200 Branded	£5.64

SOUND

MIDI Synergy	£9.87
Sequencer One	£24.91
Sonix 2	£39.95
Studio Magic	£9.87

UTILITIES

Byte 'N Back HD Backup	£9.87
Disk Directory Manager	£9.87
Doctor Ami Analyser	£14.57
Secretary Scheduler	£24.91
Supra FaxModem software	£29.61

WORDPROCESSORS

Excellence 2	£39.95
Protext 5.5	£49.82
ProWrite 3.1	£39.95
QuickWrite	£29.61
Scribble Platinum 2	£29.61

Prices include VAT. Phone to check availability/condition
Postage per order: UK £3, EC £6, Europe £8, World £18
Payment: Access, Visa, London Sterling Cheques & PO's

Phone: 0983 551496
(10am-6pm week days)

Applied Research Kernel, Corve Farmhouse, Corve Lane, Chale Green, Isle Of Wight, PO38 2LA, U.K.

kosmos educational software

the connoisseur's choice

Our extensive range of educational subjects now includes:

MATHS	GEOGRAPHY	SPORT
FRENCH	HISTORY	FIRST AID
GERMAN	ENGLISH WORDS	GENERAL KNOWLEDGE
SPANISH	SPELLING	ENGLAND
ITALIAN	ARITHMETIC	SCOTLAND
SCIENCE	FOOTBALL	NATURAL HISTORY

Write or phone for our FREE 16-page colour catalogue of Educational & Leisure Software (State computer type) to:

Kosmos Software Ltd, FREEPOST (no stamp needed)
DUNSTABLE, Beds. LU5 6BR
Telephone 0525 873942 or 875406

..48 hour mail order service..!..48 hour mail order service..!

...at a price YOU can afford

HARD DRIVES
FREE PHONE 0800 833618

- External IDE HDD for Amiga A500/A500+.
- Internal IDE HDD for Amiga A1500/2000/3000/4000.
- Memory conveniently expand able to 2/4/6/8 Mb by using 1 Mb x 4 zips on Alfa, AT-Bus 2008 & Octagon.
- Easy instalation, just plug in and go.
- Auto boot, auto configure and zero wait states.

A500

Alfa, 170 Mb IDE	19MS	£299
Alfa, 252 Mb IDE	14MS	£350
Alfa, 345 Mb IDE	14MS	£450
Alfa, 560 Mb IDE	10MS	£599
GVP HD8+ 170 Mb	19MS	£450
GVP HD8+ 345 Mb	14MS	£550
GVP HD8+ 560 Mb	10MS	£699

A600/1200 2.5" DRIVES

60 Mb & cable	–	£159
85 Mb & cable	17MS	£195
1200 Mb & cable	17MS	£229
170 Mb & cable	–	£299
210 Mb & cable	–	£350

CONTROLERS

A500	
Alfa power idle	£99
GVP HD8+	£185
ICD Trifecta EC	£159
ICD Trifecta SCSI-2 & IDE	£215
A1500/2000/3000/4000	
BSC AT-Bus 2008 IDE	£75
BSC Oktagon 2008 SCSI-2	£149
GVP HC8+	£129
ICD Trifecta LX	£149

BARE DRIVES

SCSI		
170 Mb	21MS	£199
240 Mb	14MS	£279
340 Mb	14MS	£299
560 Mb	10MS	£499
1.0 Gb	10MS	£850
2.0 Gb	10MS	£1299
3.0 Gb	10MS	£2250
4.0 Gb	10MS	£2699
IDE		
130 Mb	10MS	£CALL
170 Mb	17MS	£199
250 Mb	14MS	£250
340 Mb	-	£299
560 Mb	10MS	£499
1.0 Gb	10MS	£850

SYQUEST INT INC CART

44 Mb	£295
88C Mb R/W 44	£369
105 Mb	£000
105 Mb	£CALL
External box & cables add	£75

OPTICAL

Fujitsu 128 Mb INT INCL CART.	
Internal	£699
External	£755

PART EXCHANGE WELCOME



FREE ONE BOX OF 10 DD DISKS with every order over £100 placed before Jan 31 1994.

Visa, Mastercard or company cheques accepted for immediate despatch.
Prices maybe subject to a 2% surcharge on credit cards and company cheques
Cheques payable to Shaye PLC.

Tel: 081 880 3227
Fax: 081 880 3748

DRIVES
A SHAYE PLC COMP.

Shaye PLC, 206A High Road, London N15 4NP

DON'T FORGET THE MEMORY

1 Mb SIMMS 30 pin £35
1 Mb SIMMS 72 pin £40
4 Mb SIMMS 30 pin £115
4 Mb SIMMS 72 pin £150

Prices subject to change due to $/£ exchange rate.

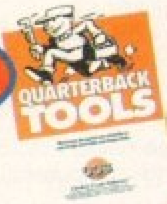
There's a lot going for you!

Are you using one of our recent CoverDisks and wish you'd taken up an offer that went with it? Well, here's another chance to make the most of your free programs

Quarterback Tools

The complete Quarterback Tools software appeared on the November issues's CoverDisk. You can still buy the manual or the upgrade to Quarterback Tools Deluxe.

Manual only £14.95



For only £14.95 including p&p you'll find this superb quality manual indispensible as it guides you through all of the software's features in a user friendly, easy to use manner.

You can upgrade your CoverDisk to Quarterback Tools Deluxe, which includes the latest version of Quarterback Tools and numerous utilities to make maintaining your system easier than ever.



Only £39.95

Utilities include:

● Replicator – *disk duplication system* ● Locator – *locates files* ● Encryptor – *protects sensitive files* ● File Eraser & Disk Eraser – *eliminates all traces* ● Keystroke finder – *shows how to type any character* ● System Mover – *moves all system files* ● Brain Cloud – *protects your disk*

Send this form to Quarterback Offers, Europress Enterprise, Europa House, Adlington Park, Macclesfield SK10 4NP or telephone 0625 878888. Allow 28 days for delivery.

Quarterback order form

Please send me...

☐ the Quarterback Tools manual at £14.95

☐ the Quarterback Tools Deluxe upgrade at £39.95

I wish to pay by:

☐ Cheque / postal order payable to Europress Enterprise Ltd

☐ Credit card expiry date ____/____

Card No ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Deliver my order to:

Name (Mr/Mrs/Miss/Ms) ____________________

Address ____________________

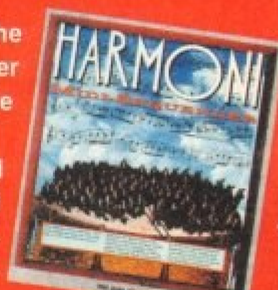
____

Postcode ________ Daytime phone ____________

Allow 28 days for delivery

☐ *Tick this box if you do not wish to receive promotional material from other companies*

Let's harmonise!



Now that all you budding musicians have the complete Harmoni software from the November issues's superb CoverDisk, make sure you get the most out of it with this exclusive manual offer.

For only £8.95, including postage and packaging (UK), you can have the original Harmoni manual. It will help you get up and running quickly, guide you through essential sequencer operations, and explain some advanced tricks to add polish to your tunes.

The manual also contains comprehensive sections on starting up, recording and editing tracks, recording more sequences, assembling a song sequence and song mode on-screen controls and modes.

For more information on Harmoni call 0295 252524.

Manual only £8.95

Send this form to Amiga Computing Harmoni offers, Imediat, B3 Edison Road, St Ives, Huntingdon PE17 4LF, or if you are paying by credit card you can telephone 0480 496688. Allow 28 days for delivery.

Harmoni order form

Please send me...

☐ The Harmoni manual at £8.95 including postage and packing (UK)

• Overseas readers need to pay an extra £2 towards postage

• Australian readers can buy the manual for $25. Cheques should be made payable to Activision, 10 Agnes Street, Meadow Bank, Sydney, NSW 2114

I wish to pay by:

☐ Cheque / postal order payable to The Disk Company

☐ Credit card (Access/Visa/MasterCard) expiry date ____/____

Card No ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Deliver my order to:

Name (Mr/Mrs/Miss/Ms) ____________________

Address ____________________

____

Postcode ________ Daytime phone ____________

Allow 28 days for delivery

☐ *Tick this box if you do not wish to receive promotional material from other companies*

Ladbroke Computing

33 Ormskirk Rd,
Preston, Lancs,
PR1 2QP

Ladbroke Computing International are one of the largest established home computer dealers in the U.K. We have developed an extensive customer service policy which involves testing of all hardware prior to despatch to ensure that goods arrive in working order, offering free advice and support over the phone and keeping customers informed. Although our prices are not always the cheapest we do endeavour to offer consistently good service and backup.

All prices/specifications are correct at copy date 29/11/93 (while stocks last), and are subject to change without prior notice. All prices include VAT but exclude delivery.

How to Pay
You can order by mail Cheques/Postal Orders made payable to Ladbroke Computing. Or give your credit card details over the phone.

Delivery
Postal delivery is available on small items under £40 (Normally £3, phone for details). Add £7 for courier delivery. Next working day delivery on mainland UK subject to stock (£20 for Saturday delivery).

Open Mon-Sat 9.30am to 5.00pm.
Ladbroke Computing Ltd trading as Ladbroke Computing International.

Fax: (0772) 561071
Tel: 9am-5.30pm (5 Lines)
(0772) 203166

Printers



Star
Star LC100 Colour	£149.99
Star LC24/100 Mono	£179.00
Star LC24/30 Colour	£249.00

- Built in 55 sheet feeder
- 24 Pin Colour

Starjet SJ48 Bubblejet	£210.00
Star SJ144	£549.00

- Thermal max transfer colour printer
- 144 element head
- Glossy colour output
- 360 dpi resolution

Citizen
Citizen Swift 240 Colour	£270.00
Citizen Project	£209.00

Hewlett Packard
HP Deskjet 510	£299.00
HP Deskjet 500 Colour	£299.00
HP Deskjet 310	£239.99

Lasers
Ricoh LP1200	£699.00

Add £3 for Centronics cable and £7 for next working day courier delivery.

GVP II Hard Drives



- Quantum SCSI Hard drive
- Ultra fast 11ms access
- Up to 8Mb RAM on board
- 2 year warranty

42Mb No RAM	£199.00
80Mb No RAM	£299.00

SPECIAL OFFER
170MB NO RAM
£349
240MB NO RAM
£399

2Mb SIMM Upgrade	£69.99
4Mb SIMM Upgrade	£139.99

GVP 286 Emulator

- 16MHz 286 PC Emulator
- Norton rating 15
- Plugs into GVP II HD's

GVP PC-286 Emulator	£89.00

A500+ Accelerators

- Quantum SCSI Hard drive
- 40MHz 68030 Accelerator
- FPU expansion slot

A530 42Mb	£389.00
A530 80Mb	£489.00

SPECIAL OFFER
A530 170MB
£579
A530 240MB
£659

GVP Genlock

- Video processor provides real time software control of brightness, contrast, saturation, hue, sharpness, filtering, gain etc.
- Audio processor with two audio inputs, software switchable or mixable, with software control of Volume, Bass and Treble effects.

G-Lock Genlock	£284.00

A1200 Hard Drives

- Plugs into internal IDE expansion
- Ribbon cable exits through PCMCIA slot
- Warning fitting voids warranty

170Mb	£249

Phone for higher capacities.

Amiga Packs

Amiga A600 Lemmings Pack	**£184.99**

Includes A600 with 1Mb RAM, Lemmings

Amiga 600 Wild, Weird and Wicked Pack	**£194.99**

Includes A600 with Pushover, Microprose Grand Prix, Putty and Deluxe Paint III

A1200 Race & Chase	**£289.99**

Includes A1200 with 2Mb RAM. Trolls and Nigel Mansell

A1200 Desktop Dynamite	**£339.99**

Includes A1200 with 2Mb RAM, Digita Wordworth, Digita print manager, Deluxe Paint IV, Dennis, Oscar

Amiga CD32	**£289.99**

2Mb RAM. Dual Speed CD ROM. Multi session, plays music CD's, 256000 colours on screen, includes 2 games Oscar and Diggers.

Amiga 4000 030	**£999.00**

Includes A4000, 030 processor, 2Mb Chip RAM, 80Mb Hard drive.



Speed Mouse

- 290dpi resolution
- 2 Microswitched buttons
- Opto/Mechanical mechanism
- Switchable between Amiga/ST
- Direct Mouse Replacement

Speed Mouse
£11.99

Floppy Drives

- 880K formatted capacity
- Double sided, Double density
- Through port

Cumana CAX 354	£54.99
Amiga 500 internal drive	£49.99

RAM Upgrades

A500 512K upgrade
£14.99
A500+ 1Mb upgrade
£19.99
A600 1Mb with clk
£39.99
Plugs straight into A600 trap door compatible with A600, A600HD

A1230 Accelerator

- 40MHz 68030 accelerator
- Makes your Amiga 1200 run over 7 times quicker.
- Allows up to 32Mb RAM
- Optional FPU

A1230/0Mb/No FPU	£239.00
A1230/4Mb/No FPU	£379.00
A1230/4Mb/68882 FPU	£479.00

Monitors



Philips 8833 MKII	**£199.99**

Includes 12 Months on site warranty (Mainland UK)

Samsung C13352X	**£179.99**

14" SCART input TV with remote control and on screen display (requires SCART cable for high quality display)

Sonica Colour Monitor	**£189.99**
Stereo Colour Monitor including cable 1084S	**£189.99**

Commodore Colour Stereo Monitor including cable

Microvitech 1440	**£399.99**

The Microvitec 1440 is a multisync monitor compatible with the A1200. Includes setup memory for different resolutions.

Colour SVGA Monitor	**£229.99**

High quality Colour SVGA Monitor .28 dot pitch.

A1200 VGA adaptor	**£14.99**
Falcon VGA Adaptor	**£9.99**
Philips SCART to Amiga	**£9.99**
8833 MKII to Amiga	**£9.99**

Falcon 030

- 16MHz 32 bit 68030 Central Processor, 16MHz Blitter, 32MHz 56001 Digital Signal Processor
- 1.44Mb 3.5" Floppy, up to 14Mb RAM. Displays 65536 colours from 262144 palette
- 8 Channel, 16 bit, high quality Stereo sound sampling

FALCON 1Mb No HD	£499.00
FALCON 4Mb No HD	£699.00
FALCON 4Mb 64Mb HD	£799.00
FALCON 4Mb 127Mb HD	£899.00
FALCON 4Mb 209Mb HD	£999.00
Falcon Screen Blaster	£89.00

Repair Services

Our Service department can repair Amiga's in minimum time at competitive rates. We can arrange for courier pickup and return delivery of your machine to ensure it's safety. We even have a same day service which will ensure your machine is given priority and subject to fault, completed the same day. We offer a Quotation service for £15 for which we will examine your machine and report back with an exact price for repair. If you do not wish to go ahead with the repairs then just pay the £15. However if you do go ahead then the charge is included in the minimum charge. Please note: The minimum charge covers labour, parts are extra.

Quotation service	£15.00
Min repair charge	£35.25
Courier Pickup	£11.00
Courier Return	£7.00
Same day service	£15.00



CENTRAL LICENCEWARE REGISTER

CLR EDUCATIONAL

ACHORD (£3.50)
Guitar chord tutor
T.A.M.I. (£3.50)
GCSE maths tutor
NIGHT SKY (£3.50)
A must for all stargazers
WORDS & LADDERS (£3.50)
Snakes & ladders spelling game
BASICALLY AMIGA (£4.99)
A must for new Amiga owners
LETS LEARN (£3.50)
Various progs for 5-7 year olds
ALPHABET TEACH (£3.50)
Great for young kids
FAST FRET (£3.50)
Guitar scales tutor
WORK & PLAY (£3.50)
Spelling made fun
PLAY IT SAFE (£3.50)
Teach kids about safety in the home
BIG TOP FUN (£3.30)
4 circus based games
JIGMANIA (£3.50)
Jigsaw puzzle game/creator
CHESS TEACHER (£3.50)
A beginners guide
MIND YOUR LANGUAGE (£3.50)
Vocabulary course
SPEED READING (£4.99)
Improve your reading skills
CHORD COACH (£3.50)
Piano chord tutor
C.A.T.T. (£4.50)
Unlock the mysteries of the Tarot
FUN WITH CUBBY (£3.50)
8 Educational games (NOT A500)
PREHISTORIC FUN PACK (£3.50)
4 excellent Dinosaur games
PEG A PICTURE (£3.50)
Just like the childrens game
UNDERSTANDING AMOS (£4.50)
Learn all about "Bobs"
SNAP (£3.50)
Teach kids shapes
MY LITTLE ARTIST (£3.50)
Great programs (Not A500)
BOREALIS JUNIOR (£3.50)
Drawing package for kids.
COMPOSITION (£3.50) and PORTRAITURE (3.50)
Photographic tutorials
AMOS LANGUAGE QUIZ (£3.50)
FUN WITH CUBBY 2 (£3.50)
(NOT A500) 7 great games for kids
SEA SENSE (£3.50)
A seamanship tutorial
ROCKET MATHS (£3.50)
Excellent kids Maths tutor
DRAFT V2 (£4.50)
Unlock the mysteries of Runestones

CLR ENCYCLOPEDIAS

The following disk based encyclopedias cover a range of interesting subjects. Using a combination of text, diagrams, drawings & photographs each title is entertaining as well as educational.

DINOSAURS 2 (£4.50)
DINOSAURS 3 (£4.99)
GEOLOGY (£4.50)
SOLAR SYSTEM 1 (£4.99)
SOLAR SYSTEM 2 (£4.99)
FRESHWATER FISHING (£4.99)
ECOLOGY (£4.99)
MESSERSCHMIT BF109 (£4.99)
SPITFIRE (£4.50)
YOUR FIRST PONY (£4.50)
BASIC HUMAN ANATOMY (£3.50)
KINGS AND QUEENS (£4.50)
HOME INVENTIONS (£4.50)
DISCOVERY OF AMERICA (£3.50)

CD ROMS

(£1.00 P&P)

CDPD 1- £19.95
CDPD 2 - £19.95
CDPD 3 - £19.95
DEMO 1 - £19.95
DEMO 2 - £19.95
17 BIT PD - £39.95
AN INSTANT PD LIBRARY ON THIS BRILLIANT 2 DISK COLLECTION
MULTIMEDIA TOOLKIT - £19.95
LOADS AND LOADS OF 24-BIT, HAM8 & HAM PICS. COLOUR & MONO CLIP ART. FONTS, MODULES, SAMPLES
NOW THAT'S WHAT I CALL GAMES VOL 1 & 2 - £19.95 EACH
100 PD GAMES ON EACH OF THESE CD32 COMPATIBLE ROMS

we stock
FRED FISH 1 - 910 +
(Fish Cat Disk £1.50)

SEASOFT

The Logical Choice

OctaMED Pro V5.01 - £30.00

Latest 2 disk version – Now with Workbench V2.1 files
PULL DOWN MENUS, ON-LINE HELP, FULL MIDI SUPPORT WITH UP TO 64 TRACKS, SAMPLE EDITOR, SYNTHESISED SOUND EDITOR, STANDARD TRACKER OR TRADITIONAL STAVE NOTATION DISPLAY, etc., etc. - (Requires Kickstart 2.04 or later)
V4 NOW ONLY £18.00

AM/FM
disk magazine for the serious Amiga musician
Issue 16 out now
£2.50
(issues 1 to 14 also available)

AMFC Pro
Converts many standard music files to OctaMED & Music-X format
£10.00

TOTAL IRRELEVANCE
MED User Group (MUG) disk magazine
Issue 4 now available
£3.00 (2 disks)
issues 1-3 £1.50 each

AM/FM SAMPLES
16 disks packed with high quality samples
£2.50 per disk

ACC
AMIGA CODERS CLUB
hints, tips, tutorials & source codes for assembly language programmers
£3.50 per issue
(issue 31 now available)

ACC HARDWARE PROGRAMMERS MANUAL
Essential reading for anyone trying to come to grips with Assembly language programming on the Amiga. Easy to follow tutorial with loads of examples for you to try with the built-in Editor and Assembler.
Disk 1 (PD) £1.50
Disks 2,3 & 4 £5.00 each (£12.50 for the 3)

C-MANUAL
12 disks packed with all you need to know about C programming on the Amiga
£12.00

A-GENE V4.38
Latest version of this classic genealogical database
£15.00

TECHNOSOUND SAMPLER
£29.95

TECHNOSOUND II SAMPLER
£22.50

ALPHA DATA MOUSE
400 dpi ULTRA HIGH RESOLUTION
£14.95

MIDI INTERFACE
with leads
£22.50

SUPERSOUND 4
this brilliant feature packed Sample editor is now available form Seasoft
£4.99
(manual £10.99)

MERRY CHRISTMAS TO ALL OUR CUSTOMERS

AMIGA P.D. & SHAREWARE - IDEAL STOCKING FILLERS

PD/SHAREWARE PRICES - PER DISK
(No. of disks shown in brackets)
1 - 4 disks - £1.50, 5 - 9 disks - £1.25, 10 - 24 disks - £1.00, 25+ disks - £0.90
Unless stated all titles work on A500 (1 meg), A500+, A600 & A1200

UTILITIES

A-BASE (1)
Excellent database program
AMIGA FOX V1 (1)
Desk top publishing program
ASTRO 22 V3 (1)
serious astrology program
ACC 1-4 (1)
best of Issues A.C.C. 1-4
D-COPY V3 (1).
brilliant disk copying program
EASY CALC (1)
excellent spreadsheet
KICK 1.3 (1)
now you can run those original A500 progs on your new A1200
KICKSTART 2 (1)
emulates Kickstart 2 on A500
MESSY SID 2 (1)
Amiga – PC file convertor
NCOMM V3 (1)
powerful comms package
NORTH C (2)
C-compiler
NUMPAD (1)
adds a numeric keypad to an A600
PC TASK V2 (1)
demo of the best PC emulator
SID 2 (1)
comprehensive directory utility
TEXT ENGINE V4.1 (1)
excellent text editor/word processor
V-MORPH (1)
create smooth morphs and warps

MUSIC

BASS SOUNDS (1)
high quality Bass samples
CHRISTMAS MUSIC (1)
classic Christmas tunes
ELECTRONIC MUSIC (3)
comprehensive tutorial (2 drives)
DRUM KIT (2)
high quality Drum samples
MED V3.21 (1)
last version of this classic editor
MIDI CRAFT VOL 1 (1)
demo of Music-X and Midi songs from the Craft brothers
NO SAMPLER? (1)
no need for a sampler with this great tutorial & utilities from MUG
OctaMED V2 (1)
fully functioning 8-channel editor
Octamed V4 MANUAL (1)
Complete manual on disk
OctaMED V5 (1)
non-save demo version
X-BEAT PRO 1.3 (1)
drum sequencer

OCTAMED MODULES
MICROCRAFT (4)
OCTAROCK 3D (1)
OCTASTUFF (1)
FRIENDS OF PAULA (3)

GAMES

18TH HOLE GOLF (2)
the only PD golf game available
AGATRON STAR TREK (2)
a must for all trekies
AIRPORT (1)
Air Traffic Control sim
AMOS CRICKET (1)
simple but fun cricket game
DONKEY KONG (1)
classic arcade game
DUNGEON FLIPPER (1)
pinball game
GUSH (1)
Pipemania style game
RETURN TO EARTH (1)
space trading game
ROAD TO HELL
2 meg overhead racing game
ROBOULDUX (1)
brilliant Boulderdash game
STAR BASE 13 (2)
graphic adventure game
SUITCASE (2)
excellent adventure game
TETRIS PRO (1)
classic
TOTAL WAR (1)
excellent Risk style board game
WIBBLY WORLD GIDDY (1)
commercial quality platform game

A1200 ONLY

A1200 INTROS (1)
collection of 4 great demo intros
AGA TETRIS/UTILITIES (1)
game and useful utilities
ANDYS WB3 UTILITIES (1)
useful utilities including PP Show 3.0a, WBVerlauf etc.
ASSASSINS FIX DISK (1)
get all your A500 programs to run
CYNOSTIC SLIDESHOW (1)
brilliant AGA slideshow
HOI AGA DEMO 2 (1)
brilliant A1200 demo
KLONDIKE (3)
brilliant AGA patience game
K RHODES PICS (1)
fantasy slideshow
NIGHTBREED (2)
brilliant AGA slideshow
SLEEPLESS NIGHTS 3 (1)
useful utilities including Icon Master
SUPERHAM PICS (6)
brilliant ray-traced pics
UCHESS (1)
ultimate chess program (4 megs)
VIEWTEK (1)
AGA picture/animation viewer
W.B.3 BACKGROUNDS (1)
coloured backdrops for workbench
WB3 HACKS (1)
selection of fun hacks
WINBLEND (1)
AGA fractal generator

CAT DISK £1.00 (inc p&p)

Please add 50p P&P to P.D./Licenceware orders (£1.50 Europe, £3.00 rest of World) or £1.00 if your order includes other items (Europe & rest of World at cost)..
Subject to availability, all orders are normally dispatched within 24 hours of receipt
Send orders to -

SEASOFT COMPUTING
(Dept AC), The Business Centre, First Floor, 80 Woodlands Avenue, Rustington, West Sussex BN16 3EY
or telephone
(0903) 850378
9.30am to 7.00pm Mon-Fri (to 5pm Sat)

P S D
A MEMBER OF THE PROFESSIONAL STANDARDS FOR DISTRIBUTION

CLR GAMES

TRUCKIN-ON 2 (£4.50)
Run your own trucking Company.
DRAGON TILES (£3.50)
Excellent Shanghi puzzle game
MOTOR DUEL (£3.50)
3D Car racing shoot-em-up
ALL GUNS BLAZING (£3.50)
2 player overhead racing game
BULLDOZER BOB (£3.50)
Great puzzle game
PARADOX (£3.50)
Puzzle games
SONIC SMARTIEHEAD (£3.50)
Kids platform game
SPLODGE (ESCAPE) (£3.50)
Platform game
IMPERIUM (£3.50)
Graphical adventure game
STELLAR ESCAPE (£4.99)
Excellent vertical shoot-em-up
JUNGLE BUNGLE (£3.50)
Excellent Kids adventure game
FLOWER POWER (£3.50)
Kids game
MARVIN THE MARTIAN (£3.50)
Help Marvin find Daphnie
WHITE RABBITS (£3.50)
Save the rabbit from a fate worse than casserole, great puzzle game
TIME RIFT (£3.50)
Excellent platform game
CAPTAIN K (£3.50)
High quality platform game
CYBERNET (£3.50)
Space shoot em up
OG! (£3.50)
Excellent commercial quality platform game. A must for any games collection
QUINGO (£3.50)
Pub quiz machine simulator
CRYSTAL MAZE (£3.50)
Pacman style game

CLR UTILITIES

VIDEO TITLER (£3.50)
Professional touch to your videos
TYPING TUTOR (£3.50)
Complete course and speed tests
ALPHA GRAPH (£3.50)
Comprehensive graphing program
PLAY N RAVE (£4.50)
Music module linker/player
POWER TEXT 2 (£3.50)
Excellent word processor
POWER ACCOUNTS (£3.50)
Keep track of your bank account
CALC V1.3 (£3.50)
Powerful spreadsheet
STOCK CONTROLLER (£3.50)
Keep track of your stock
EPOCH V1 (£3.50)
Powerful calendar system
X-STITCH MASTER LITE (£3.50)
Produce cross stitch charts
HARD DRIVE MENU (£3.50)
A must for Hard Drive owners
INVOICE MASTER (£3.50)
Create your own invoices
CREATIVE ADVENTURE TOOLKIT (£3.50) (not A500)
Text adventure game creator
FLOW CHARTER (£3.50)
Create flowcharts

ACCESSORIES

(£1.00 P&P)

PYTHON 1 JOYSTICK- £9.99
ZIPSTICK JOYSTICK- £12.99
MOUSE MAT - £2.99
HEAD CLEANING KIT - £2.99
MONITOR COVER - £4.99
A500 DUST COVER - £2.99
A600 DUST COVER - £2.99
A1200 DUST COVER - £3.99
PRINTER STAND - £4.99
PRINTER LEAD (1.8m) - £3.99
PRINTER LEAD (5m) - £6.99
PARNET LEAD (inc software) - £10.00
4 PLAYER ADAPTOR - £5.99
JS EXTENDER - £4.99
M/J SWITCH MANUAL - £9.99
M/J SWITCH AUTO - £12.50
100 DISK LABELS - £1.50
1000 DISK LABELS - £10.00
1000 T.FEED LABELS - £12.50

DISK BOXES
10 cap - £1.25
40 cap - £4.50
100 cap - £5.99

BLANK DISKS
3.5" HIGH QUALITY DSDD DISKS WITH LABELS
10 - £5.00
50 - £22.50
100 - £42.50

ASSASSINS GAMES 1 - 148 +
latest titles always available
call for complete list

Editing and control

Amiga Update

Paul Austin casts a kindly eye on the latest release from ASDG and the ultimate in infra red control for VlabY/C

Over the years ASDG have become synonymous with quality products with the leading light being the ubiquitous ADPro. However this isn't the only success story in the ASDG stable.

Although less glamorous than its image processing counterpart CygnusEd Professional – or CED as its predecessor was known – is a long-standing award winner.

Although only exactly hot news for video kids, the new CEDPro could well prove to be the Lemmings of the programming world as countless members of the furry collared community cast aside lesser text editors and leap into the open arms of CEDPro.

First and foremost comes the program's unlimited level of undo, which as you'd expect allows it to back-track any changes made to the file.

SPEEDS

Next up comes the impressive search and replace facilities which can be utilised either interactively or via with the a lightning fast turbo mode. In addition the function also support history – so you'll never need to re-type repeated patterns.

As you'd expect ARexx is well supported and as a result it's possible to instruct other packages – such as compilers – to call CEDPro and even place the cursor on the exact line where an error has occurred.

Yet another programmer-friendly feature allows CEDPro to detect bracket and brace errors within the code in addition to direct editing of binary files.

Macros are another area in which it



Simple but effective, CEDPro puts multiple file handling into action

scores well. Simply start the function and the program will remember all subsequent keystrokes. Once complete this new macro can be assigned to any single or combination of keys. It's even possible to call a special macro editor with which to edit existing macros when necessary. Like its predecessor, you can edit literally dozens of different files or file areas simultaneously. As for speed, there are no complaints – although there rarely are with any text editor. However, no matter how many files you have open it's highly unlikely you'll ever need to wait for the program to catch up with your editing exploits.

Specialised needs are also catered for with numerous options including command key bindings, variable tab sizes, word wrap, screen sizing and definable colours – even the scroll speed can be defined and saved. In fact alternative set-ups can be recalled as required.

Compatibility also shouldn't prove a problem as the program works across the entire range while making the best of AmigaDOS, employing the Clipboard to share its output with other packages.

Even crashes caused by other packages need not be terminal as CEDPro has the ability to recover edit sessions if disaster strikes. Combine this with a user definable timed saved and you're looking at arguably the most secure file editing system on the market.

Obviously with the myriad of PD and shareware text editors CEDPro is strictly for the pros. However if you demand the best and are will to pay for it CEDPro could well become the ADPro of the programming world.

Product: Cygnus Ed Professional
Supplier: Silica Systems
Tel: 081-309 1111
Price: £79.95

Automation with AirLink

If you're among the numerous videophiles who've invested in VlabY/C the word, AirLink may inspire a distant memory of promised automation. For those unfamiliar with VlabY/C, the connection between the two revolves around VlabY/C's IFR frame grabbing capability.

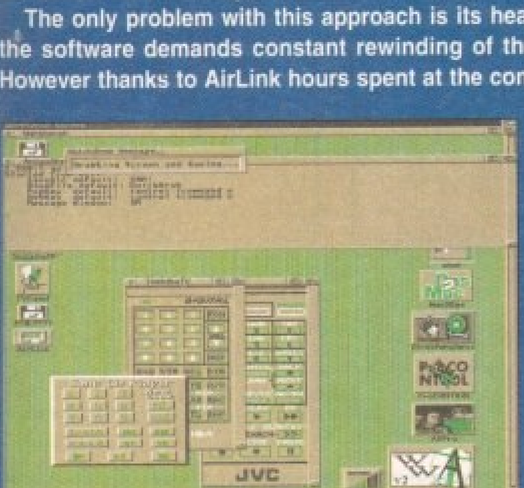
IFR – interleave frame recording – gives VlabY/C the unique ability to grab unlimited sequential 24-bit frames from live video. To achieve this, it first picks a reference point on the tape, followed by a starting frame, from which a user defined number of frames are then grabbed.

The beauty of the system is that any VCR can be used for the process and better still no timecode is required on the tape itself; the software quite literally remembers which frames have been grabbed and then attempts to grab the remainder on a subsequent pass over the tape.

The only problem with this approach is its heavy dependence on user time as the software demands constant rewinding of the tape ready for the next pass. However thanks to AirLink hours spent at the controls of a VCR are a thing of the past. Existing users may recall that IFR's control window provides the option to not only execute a processing script on images but also add a rewind ARexx macro which can call on Airlink to do all the hard work for you.

As a result complete automation is now possible with the only user input being initial scene selection and IFR set-up – after which you can leave your Amiga and the VCR to their own devices.

No matter which application you apply AirLink on the basic set-up procedure remains the same. First you must install the hardware – this takes the form of a cable connected to a small Infra red transmitter/receiver, the other end of which slots into the Amiga's free joystick port.



Keep your remotes on-screen rather than down the side of a chair

Handy hotkeys

Once installed you simply run the AirLink software which provides numerous examples along with the essential sampler program. As the name suggests this allows you to program AirLink to emulate literally any infra red remote controller.

In order to control a device you simply design a graphic representation of a remote control panel using the paint package of your choice. The Airlink software then allows you to add button areas to the graphic – appending the appropriate remote control command on each. These graphic remotes can then be saved out, complete with hotkey combinations, and recalled when required.

Actually programming Airlink is very simple; you just activate the sampler program, record the signals from the original remote you wish to control and then append the appropriate signal to the button in question.

Alas that's all that space will allow for this month, but tune in next time for more on AirLink and its immense potential within a multimedia environment.

Product: AirLink
Supplier: Amiga Centre Scotland
Tel: 0896 87583
Price: £69

EP SOFTWARE

PD GAMES

- B811 ETYPE Super fast 90's Asteroids.
- B820 PETERS QUEST a 20 level cute platform game, very addictive
- B880 TETRIX. Tetris game with sfx from Lemmings. Great fun.
- B895 DOMINOES. You know what this is surely?
- B900 GRAY SLAYER. Hack 'n' Slash.
- B887 BUNNY BLAST. Shoot as many little bunny's as you can. Sick!
- B902 GOBLER. Pacman clone.
- B903 CHAINSAW DEATH. Mazes.
- B940 WIZARD WORLD. Very cute but difficult platform game.
- B952 GAMEBOY TETRIS. Brill, A ripoff of the Gameboy tetris.
- B955 TOP SECRET. 2 player platform romp, great fun to play.
- B966 SPACE TRAX. 2 player space shoot 'em up.
- B967 TECHNO BAHN. Race the ball across a chequered floor.
- B968 HELL ZONE. Fast paced horizontal shoot 'em up, great graphics.
- B973 CYBERNETIX. Fast Defender clone, enhanced Amiga version.
- B990 BOUNCE & BLAST. Cute platform game cum shoot 'em up.
- B994 SOCCER CARDS. Management.
- C001 DONKEY KONG. Old Atari classic game.
- C515. GIDDY. Possibly the best platform game available on PD.
- C513-2 18th HOLE GOLF. The first PD golf game, pretty good.
- C350 FIREFLY. Vertical blast 'em up.
- C557 SPACE INVASION. Brill new Space Invaders clone. Great stuff.
- C082 GALAGA '92. Upto date version of Galaga from the arcades.
- C120 CROSS OVER. Puzzle game.
- C169 BOMB JACKY. Bomb jack?
- C174 OBLIVION. Defender clone.
- C177 OTHELLO.
- C206 MORIA 5.4 Brilliant RPG.
- C267 GIGAR TETRIS. Polished version of tetris for 1 meg chip + Amigas.
- C303 SLAM BALL. Superb football management game.
- C322 TOP OF THE LEAGUE. See above.
- C340 CASH FRUIT. Playable fruit machine simulator.
- C460 AZTEC CHALLENGE. Great conversion from the C64.
- C453 MEGABALL 2.1. Latest version of that classic game "Break-Out".
- C459 BAGIT MAN. Addictive platformer.
- C456 FRUIT PANIC. A new sort Pacman game. Very good.
- C455 GNU CHESS. Up to date chess program. Very intelligent.
- C462 STARIANS. Amazing shoot 'em up with great graphics.
- C469 THE RIGHT WAY. A Lemmings clone.
- C468 AIRPORT. An air traffic control simulator
- C531 PREMIER PICKS. The 2nd Premier league is here
- C532 GAME TAMER 4.01. Over 400 cheats for games inc. loads of new ones.
- C570 RUMMY.
- C563 ROAD TO HELL. Top view racing game, brilliant game play.
- B812 SUPER PACMAN 92. Up to date pacman clone, scrolly screen, beefy music, great gameplay.

PD UTILITIES

- B417 CASSETTE PRINTER COVER. Print your own cassette inlays.
- B419 UEDIT V3.0A. Text editor.
- B471 ONE MAN BAND (NASP). Music jukebox on the computer?
- B478 POINT & CLICK. New hybrid menu system. Powerful.
- B477 WORDS WORDS WORDS. A collection of wordprocessors.
- B485 A500+ UTILS.
- B486 AMIRAGE DISK MENU. Easy to use menu maker.
- B500 BOOT. Intro Construction Kit. Create your own snazzy intro's to disks.
- B501 AMIGADEX V1.61. Card filer.
- B510 FORMS UNLIMITED. 100s of pre-defined forms, including Invoice, Credit Note, Delivery Note etc.
- B524 SUPER POWER PACKERS. Everything you need to crunch files.
- B525 A500 PLUS UTILITIES 4.
- B526 A500 PLUS UTILITIES 5.
- B527 ICONS FOR ALL 2. 100s of ready to run Icons for Workbench.
- B643 SNOOP DOS. If you can't get a program to run by itself on its own disk, get this it tells you exactly what libraries/files any program is trying to load up, a great program.
- B645 RAYSHADE V4.0. A PD ray tracer, that is quite difficult to use. CLI/Shell knowledge required.
- B652 POPUP MENU.
- B654 KME (KEY MAP EDITOR).
- B676 SHELL TOOLS FOR WB2/3.
- B698 VIDEO EDITORS KIT. Contains different video wipes, and titling tools.
- B701 SHOWGIF + IFF2GIF.
- B819 AMIGA PUNT. Horse race prediction software.
- B842 BUDGET. Home Accounts.
- B847 MULTI FAX V1.0. For sending and receiving faxes on the Amiga. A modem is required.
- B906 DTP. Competent desk top pub.
- B911-2 TWIN EXPRESS. Link up two computers together, either Amiga to Amiga, PC to PC or Amiga to PC, great for transfering files back and forth. (Wiring diagram included).
- D002 PARNET. Simple network title.
- B969 LITTLE OFFICE. Includes simple wordprocessor, database etc.
- B974 LITTLE BENCH 2.0. Speedy WB.
- B999 POWER BENCH 1.0.
- C002 CLI TUTORIAL. Explains CLI & Shell, great for beginners.
- C003 PASCAL LANGUAGE.
- C004 AMIGA TUTORIAL.
- C012 MULTIDOS 1.12. Transfer Amiga info to PC and visa-versa.
- C018 ELECTRONIC PROTOTYPER.
- C021 FORTRAN COMPILER.
- C073 BACKUP V3.5. Hard disk backup.
- C081 HAM LAB PRO V2.08. Powerful picture manipulator/converter.
- C125 T.A.C.K. v1.2 Anim construction.
- C339 AMIGA BEGINNERS GUIDE.
- C410 LOCKPICK 2. Powerful copier that can remove protection from games.
- C417 BAD FORMAT. Removes bad tracks on corrupted disks.
- C535 DICE COMPILER.
- C550 SAFE II. Excellent new disk copier, can copy Amiga/PC & ST disks. Over 9 different copy modes.
- C553 RANDOM QUOTER. Every time your computer boots up the System will give you a different quote.
- C554 PC TASK 2.03. Latest version of this amazing new shareware PC emulator. 256 colours (VGA) on an Amiga 1200.
- C564 SPECTRUM EMULATOR 1.7. Very fast spectrum emulator, run speccy games on your Amiga.
- C590-2 TOOL MANAGER 2. New Workbench manganement system. Menu system, works much like Windows. This program has so many features, and configurations to list

PD EDUCATIONAL

- C240 FIREWORK ALPHABET
- C072 MATHS REFLEX TEST Answer as many questions right as you can as quick as you can
- C065 DIVISION
- C026 FOUR STROKE ENGINE
- B931 MATHS CALCULATOR
- B915 Henryetta's BOOK OF SPELLS
- A420 LEARN AND PLAY
- B016 MATHS TALK
- B065 ALGEBRA II
- B068 MATHS WIZARD

PD ANIMATIONS

- 576-2 WALKER DEMO. 2 Meg. A truly classic animation of a Walker from Empire Strikes Back walks around an Amiga. Not to be missed.
- 578-2 WALKER DEMO 2. 2 Meg. The second part is even better, made to look like a film, and it does, brilliant.
- A079 FIVE WAYS TO KILL A MOLE. Very sick animations on how to kill little moles.
- A201 FIVE WAYS TO KILL A MOLE 2.
- B286-4 AT THE MOVIES 2.
- B389-2 SKUNKS + HUNKS.
- B393 SEXY SQUIRREL.
- B395-2 SCENERY ANIMATION.
- B397-2 AMY VS WALKER 2. 3 Meg.
- B410-2 MR POTATO HEAD.
- A080 LIFE'S A BITCH. Over 18s.
- B683 LEMMINGS VS ROBOCOD.
- B800 GLOBE (ANIM).
- B875-2 APC MISSION. 3 Meg.
- B932-2 THE KING FISHER. 2 Meg.
- B935-2 LEMMIN'S REVENGE. 2 Meg.
- B938 TREE SONG ANIMATION.
- B939 K.K. NORMAN. Part 1. 2 Meg.
- B961-3 SPEED LIMIT. 3 Meg.
- B953 K.K. NORMAN. Part 2. 2 Meg.
- B954 DOLPHIN DREAM.
- C090-8 THE HAUNTED. 2 Meg. A total of 14 Megabytes of animation. A total of 8 disks. A total of 5 minutes of the best animation you're likely to see on any Amiga. Roddy's best yet.
- C094-2 ROAD HOG ANIMATION.
- C117-2 TALES OF A TIME. 3 Meg.
- C129-3 BATMAN ANIMATION. Dark and atmospheric Batman animation.
- C132 CRAZEE GLOO. Three part anim.
- C133-5 DUNCS BACK. 4 Meg.
- C139 STARWARS II. 2 Meg. Enhanced version of Swartz animation.
- C722 MPEG MOVIES. 4MPEG movies with movie player.
- C713 LET ME OUT Part 1 & 2. Comical 2 part Doggy animation.

PD MISC

- CD2295 XMAS ANIM. Very appropriate at this time of the year. A wonderfully animated sequence of Santas Grotty. There are lots of different little things going on to spot.
- CD2284 EIGHT SLEMZ OUT. Nice lemmings anim with all the little blighters having a game of baseball and not doing it too well either. Good for a laugh.
- CD2261 MAGNUM 1.4 (UTILITY). An update to the popular disk mag creator with new features and bug fixes where relevant.
- CD2245 MIND GAMES (GAMES). An excellent collection of games to tease that old grey matter…
- CD2226 PICTURES AND LETTERS. One for the kids, select a letter and the computer displays a nice picture accompanied by some cheerful music.
- CD2187 STARCAT 2. For cataloguing your PD, CD's or Video's

PD TOP 10

- PC TASK V2.xx. Run VGA on A1200.
- LOCKPICK 2. Removes protection.
- ACTION REPLAY 4 (AGA).
- TETRA COPY. Powerful disk copier where you can play Tetris while copying.
- BANNER MAKER. Banner creator.
- A1200 DEGRADERS. Run old software.
- MINDWARP AGA. Amazing demo.
- DCOPY 3.1. Latest version of this copier.
- GIDDY GAME. Very cute platformer.
- 600 BUSINESS LETTERS. A collection of 600 pre structured letters, ranging from "you're sacked" to "you owe".

PD DEMOS

- B406 WET BEAVER MIX. A 1 meg chip music demo. Great stuff.
- B410-2 MR POTATO HEAD.
- B491 "I'VE GOT THE POWER".
- B493 THE BOUNCER. Kicks like a mule music track. Wow…
- B683 LEMMINGS VS ROBOCOD.
- B692 R.A.F. "Software failure".
- B693 FRAXION. "Future visions".
- B725-3 ULTIMATE JARRE. Three disks full of art & music by Jarre.
- B736-4 PLAYSID "A-Z OF C64 TUNES". Over 100 classic Commodore 64 tunes, they sound just like the original.
- B749-2 PARADISE.
- B799 ALCATRAZ "MUSEUM 92".
- B800 GLOBE (ANIM).
- B806-2 PROJECT TECHNO.
- B825-5 ALCATRAZ (ODYSSEY). Not A1200. An all time classic space epic, over 40 minutes long.
- B908-2 DEPECHE MODE.
- C058 SPACEBALLS. A 1 Meg chip Rave demo. Amazing music, and an outstanding video like animation.
- C087-2 JESUS ON E'S.
- C092 ANARCHY-DIGITAL. Illusion.
- C093-2 SOUNDS OF SCIENCE.
- C095-2 LSD-TOTAL CHAOS. Very long rave trak, outstanding.
- C142-2 RED SECTOR. "Time zone."
- C357-2 KEFRENS DESERT DREAMS. Absolutely brilliant megademo. 2 disks.
- C359 SANITY INTERFERANCE.
- C395 INTERACTIVE DANCE TRASH. Rave at its best.
- C396 SANITY JESTERDAY. Very nice music demo.
- C397 JELLY "GLOBAL CHAOS".
- C398 HEADLINE "Black energy".
- C399 FREESTYLE "PERFECT 5".
- C400 COMPLEX "DELIRIUM".
- C401 PIECE O MIND.
- C402 ANDROMEDA "Point Break."
- C431 TECHNOLOGICAL DEATH.
- C548 TECHNOPHOBIA MUSIC.
- D000 PYGMY PROJECTS. Very latest megademo, which features some outstanding city scape animations.
- C678 CHROMAGIC AGA. Worlds first AGA music demo.
- C677 STEVIE NICKS. What the hell? Very funny stuff, great at parties.
- C676 WATER PROOF DEMO. Average demo, but supports FPU.
- C674-2 RSI "WICKED SENCE". New 2 disk mega demo by Red Sector Inc.
- C670-4 SPEED "RAVE DEMO". Brand new 4 disk rave demo, features unreal visuals with a great soundtrack.

PD INFORMATION

- CD2277 STAR TREK INFO. Following on the usual high standards of Whom 1 + 2 this contains everything you need to know about Star Trek and a bit more besides.
- CD2262 WORLD WAR 2. If you want to know all the facts about WWII, this hyperbook will present them to you quite nicely.
- C339 AMIGA BEGINNERS GUIDE. If you want to know more about the Amiga.

PD EMULATORS

- B997 IMB EMULATOR FOR A500+.
- C465-2 SPECTRUM EMULATOR.
- C554 PC TASK V2.03 (AGA).
- 1772 C64 PACKAGE V2.
- B979 ATARI ST EMULATOR.
- C15-2 QL EMULATOR.
- B897 KICKSTART 2 EMULATOR.
- C495 KICKSTART 3 EMULATOR.
- 2001 PC EMULATOR FOR A500.
- C495 KICKSTART 3 EMULATOR.
- C581 SOFT AGA EMULATOR.

VERY LATEST PD

- C619 DATASETTE 64
- C622 MICRO MARKET 1.2
- C623-2 MR MEN OLYMPICS
- C625 EPU DISK STACKER
- C627-2 MOTOROLA INVADERS 2
- C629-4 THE LAST STAND AT Hoth
- C633-2 START OF THE ART
- C635 ROBOULDIX
- C636 TEXT ENGINE 4.1
- C637 PRO UTILITIES 1
- C638 STEEL PLAYER V1
- C639 DIGITAL ILLUSION
- C640-2 STARBASE 13
- C642 RDPREP
- C660 THRALL BOUND
- C667 INSECTOIDS 2
- C668 CHANGHAI '93
- C669 45 SPECCY GAMES
- C670-4 SPEED
- C674-2 RSI "WICKED" Sensation
- C676 WATERPROOF
- C679 INTENSE
- C680 EXIT 13
- C681 GARDEN DESIGNER
- C682 MANDELPLOT 2.4
- C687 TMAP AGA DEMO
- C688 JPEG DATA TYPE ETC
- C689 COMPUGRAPHIC FONTS
- C690 ART SELECTION
- C691 POSTSCRIPT FONTS
- C692 TSMORPH 1.2
- C693 MANDELMANIA 4 AGA
- C694 PLANETARIUM
- C695 ED WORD PRO Powerful text editor etc
- C696 KLAW UTILITIES 4
- C697 ASI A1200 FIX DISK 1
- C698 ASI A1200 FIX DISK 2
- C699 ANIMAL LAND 1 New kids game
- C700-2 IMAGINE OBJECTS 2 new disks of Imagine objects
- C702-4 SOURCE 4 disks of source code
- C706-4 SB PROLOG Programming language
- C710 MPEG UTILITIES A selection of MPeg tools
- C711 LSD UTILS 141
- C713 LET ME OUT ANIM
- C714 PROFESSIONAL BINGO Smart looking utility, that actually reads out the called numbers, it can even print out the bingo cards, Eight & Eight, two fat ladies…
- C715 SPAYIAL HYPERDRIVE Very fast new reflex testing arcade game
- C716 BAR CODER Excellent Bar code maker
- C717 LIGHT WAVE OBJECTS A collection of objects for Light Wave
- C718 NUMTRIS Original concept of Tetris
- C719 LEMON DEMO New mega demo
- C720 BEETLE GAME Brilliant looking new fun platform game, lovely graphics
- C721 OCTAMED V2 (REVISED) Updated version 2
- C722 MPEG MOVIES
- C723 TOTAL WAR
- C724 UPCAT For workbench 2 and up. Simply insert the disk and it creates a catalogue of it's contents.
- C725 D.SOLVE CROSSWORD
- C726-2 SCOOPEX "PLAYS 2 UNLIMITED" 2 DISKS 3 unbelievable quality 2 Unlimited tracks, including Get Ready For This & Twilight Zone.

WORD FINDER *Plus*

Powerful Crossword solver. Very easy to use, contains a dictionary of over 40,000 words, and you can add your own!

Order code: ☐ L321-2. Only £5.00

Amiga 1200 Catalogue disk available Only ☐ £1.00 with any order of PD

BOX OF 10 BLANK DISKS ONLY £4.95

ORDER FORM

Name...

Address...

....

Tel.. Amiga ....

Total order value: £.......................... Total disks:..............

Payment method ....

Credit Card Details

Credit card no: ....

....

Exp. date: ....

PD Prices per disk (inclusive of P&P in UK)

1 Single disk............£3.00	2-5 disks............£2.00 each
6-10 disks............£1.75 each	11 or more............£1.50 each

C1234-2. TITLE means 2 disks

OVERSEAS ORDERS

Overseas orders are welcome, but please add 25p to each disk ordered, and a minimum of 5 disks apply. All foreign orders are sent by first class Air Mail.

COLLECTING DISKS

You are welcome to collect your PD order, but you are advised to phone it through prior to collection. Office hours: 9.30am-5.30pm Mon-Sat.

ORDERING BY POST

Simply send your order in on an A4 page, listing the numbers you require, the total cost, and your name & address or if you wish simply mark off the titles you wish to order, fill in your name etc, and send these pages to **EPIC MARKETING**, 1st Floor Offices, 31 Faringdon Rd, Swindon, Wilts SN1 5AR, enclosing full payment.

ORDERING BY PHONE

Call any time between 9.30 & 5.30pm Monday to Saturday with your credit card details and the disks you would like to order.

EPIC MARKETING, FIRST FLOOR OFFICES, 31 FARINGDON RD, SWINDON, WILTS, SN1 5AR. ENGLAND.

Order hotline. 0793 490988 or 512073

VISA · Access · MasterCard

GAMES

688 ATTACK SUB (NO 12)	£10.49
A-TRAIN (1 MEG)	£22.99
A-TRAIN CONSTRUCTION SET	£12.49
A320 AIRBUS (1 MEG) (NOP)	£18.99
A320 AIRBUS (USA VERSION))	£22.49
ADDAMS FAMILY	£9.99
ADVANTAGE TENNIS (NO 12)	£17.49
AIR BUCKS	£18.49
AIR FORCE COMMANDER	£18.49
AIR SUPPORT	£17.49
AIR, LAND AND SEA (NO 12)	£23.49
AIRBUCK 1.2 (A1200 VERSION)	£18.49
ALFRED CHICKEN	£18.49
ALFRED CHICKEN A1200	£17.99
ALIEN 3	£18.99

ALIEN BREED 2 AGA
Amazing! £18.99

ALIEN BREED	£9.49
ALIEN BREED	£17.49
ALIEN BREED 2 A1200	£18.99
AMBERSTAR	£18.49
AMERICAN GLADIATORS	£17.99
AMNIOS	£9.49
ANOTHER WORLD	£12.49
APACHE	£7.99
APIDYA	£8.49
APOCALYPSE	£20.49
AQUATIC GAMES	£17.49
ARABIAN NIGHTS	£16.49
ARCHER MACLEANS POOL	£18.49
ARKANOID 2	£7.99
ASSASSIN	£12.49
ASSASSIN REMIX	£9.99
AV8B HARRIER ASSAULT	£22.49
B.A.T. 2	£23.49
B17 FLYING FORTRESS	£14.99
BART VS THE WORLD	£18.99
BATMAN RETURNS	£17.99
BATMAN THE MOVIE	£7.99
BATTLE ISLE	£13.99
BATTLE ISLE 93	£16.49
BATTLE OF BRITAIN	£11.49
BEACH VOLLEY (NO 12)	£7.99
BENEATH THE STEEL SKY	£20.99
BENEFACTOR	£20.49
BILL'S TOMATO GAME	£17.49
BLACK CRYPT	£16.49
BLADE OF DESTINY	£25.49
BLASTAR (1 MEG)	£14.99
BLOB (1 MEG)	£14.49
BLUES BROTHERS	£7.49
BOB'S BAD DAY	£17.99
BODY BLOWS	£16.99
BODY BLOWS (A1200 VERSION)	£19.49
BODY BLOWS GALACTIC AGA	£18.49

BODY BLOWS GALACTIC
Amazing AGA Graphics Only £18.49

BOSTON BOMB CLUB (NO 12)	£8.99
BOXING MANAGER (NO 12)	£8.49
BRIAN THE LION	£17.99
BUBBA 'N' STIX	£14.49
BURNING RUBBER	£17.99
BURNING RUBBER A1200	£18.49
CADAVER (NO 12)	£9.49
CAESAR (NO 12)	£18.49
CAESAR DELUXE	£18.49
CAMPAIGN	£22.49
CAMPAIGN 2	£22.99
CANNON FODDER	£20.99
CAPTAIVE 2 – LIBERATION	£20.49
CARDIACS	£9.49
CASTLES 2 (A1200 VERSION)	£22.49
CELTIC LEGENDS	£16.49
CHAMPIONSHIP MANAGER	£12.49
CHAMP MANAGER 93 UPDATE	£9.49
CHAMPIONSHIP MANAGER 93/94	£17.99
CHAOS ENGINE	£17.49
CHAOS ENGINE A1200	£18.49
CHUCK ROCK 2	£10.49
CIVILISATION	£23.49
CIVILISATION A1200	£25.99
COMBAT AIR PATROL	£20.49
COMBAT CLASSICS (NO 12)	£19.99
COOL SPOT	£20.99
COOL WORLD	£17.99
CORRUPTION (M/SCROLLS)	£7.49
CRAZY CARS 3	£14.49
CREEPERS	£18.49
CRUISE FOR A CORPSE	£11.99
CRYSTAL KINGDON DIZZY	£13.49
CURSE OF ENCHANTIA	£13.49
CYBERPUNK	£14.49
CYBERSPACE	£22.99
D-GENERATION	£13.49
DARKMERE	£17.49
DARKSEED	£21.49
DENNIS (A1200 VERSION)	£19.49
DENNIS	£18.49
DESERT STRIKE	£19.49
DISPOSABLE HERO	£16.99
DIZZY PRINCE OF YOLKFOLK	£7.99
DIZZY'S EXCELLENT ADVENTURE	£16.49

GAMES

DOGFIGHT	£22.99
DONK (1 MEG)	£18.49
DOODLEBUG	£14.49
DRACULA (1 MEG)	£20.49
DREAMLANDS	£18.99
DREAMWEB (1 MEG)	£22.99
DUNE (1 MEG)	£19.49
DUNE 2	£20.49
DUNGEON MASTER PACK	£13.99
DYNA BLASTER	£20.49
ELITE	£14.99
ELITE 2 FRONTIER	£22.49
EPIC (1 MEG)	£19.99
EUROPEAN CHAMPIONS	£17.99
EYE OF THE BEHOLDER (SSI)	£13.99
EYE OF THE BEHOLDER 2G	£24.49
F1 (DOMARK) (1 MEG)	£17.99
F117A STEALTH FIGHTER	£22.99
F15 STRIKE EAGLE 2	£12.49
F17 CHALLENGE	£10.49
F19 STEALTH FIGHTER (NOP)	£11.49
FABLES & FIENDS (NO 12)	£23.99
FACE OFF ICE HOCKEY (NO 12)	£9.49
FANTASTIC WORLDS	£23.49
FIRE & ICE	£17.99
FIRST SAMURAI & MEGA LO MANIA (NO 12)	£13.99
MIDWINTER 2	£10.99
FLASHBACK	£20.99
FOOTBALLER OF THE YEAR 3 (NO 12)	£8.49
FORMULA 1 GRAND PRIX	£15.49
FUTURE WARS (NO 12)	£10.49
G2	£17.99
GAUNTLET 2	£7.99
GAUNTLET 3 (NO 12)	£16.49
GEAR WORKS	£15.49
GHOULS 'N' GHOST	£7.99
GLOBDULE	£20.49
GOAL	£20.49
GOBLINS 2	£18.49
GOLF WORLD CLASS LEADERBOARD	£8.99
GRAHAM GOOCH CRICKET	£18.49
GRAHAM GOOCH DATA DISK	£13.99
GRAHAM TAYLORS	£11.49
GRAND PRIX CIRCUIT	£9.49
GUNSHIP 2000	£22.99
HARELQUIN	£17.49
HEAD OVER HEELS	£7.99
HEIMDALL (NO 12)	£12.49
HEROQUEST + DATA DISK (NO 12)	£8.99
HEROQUEST 2	£17.49
HILL STREET BLUES (NO 12)	£9.49
HIRED GUNS	£22.49
HISTORYLINE 1914-18	£22.99
HOLLYWOOD COLLECTION	£9.99
HOOK	£11.49
HUMANS (1 MEG)	£20.99
HUMANS DATA DISK (NO 12)	£18.49
HUNTER (NO 12)	£7.99
IK+	£7.99
IMMORTAL (NO 12)	£10.49
INDIANA JONES ACTION	£5.99
INDIANA JONES 2 ACTION	£17.99
INDIANA JONES ADVENTURE	£11.49
INDIANA JONES ATLANTIS	£24.49
INNOCENT	£22.99
INTERNATIONAL RUGBY	£14.99
INTERNATIONAL SPORTS (NO 12)	£18.99
ISHAR 2	£18.49
ISHAR 2 (A1200 VERSION)	£18.99
IT CAME FROM THE DESERT	£14.99
JACK NICKLAUS GOLF	£6.49
JAGUAR XJ220	£11.49
JAMES POND	£8.49
JAMES POND 2 ROBOCOD	£9.49
JIMMY WHITES SNOOKER	£15.99
JINXTER (M/S SCROLLS)	£4.49
JOHN MADDENS (US) FOOTBALL	£17.99
JURASSIC PARK	£17.99
JURASSIC PARK (A1200)	£19.49

JURASSIC PARK AGA
Amiga 1200 Only £19.49

K240 (UTOPIA 2)	£18.49
KGB	£20.49
KICK OFF 2 (NO 12)	£9.49
KINGDOMS OF GERMANY	£19.49
KINGS QUEST 1	£10.99
KIT VICIOUS	£16.99
KNIGHTMARE	£13.49
KNIGHTS OF THE SKY	£12.99
KRUSTY SUPER FUN HOUSE	£18.99
LAST NINJA 2 (NO 12)	£7.99
LEGEND (WORLD OF LEGEND)	£13.49
LEGENDS (KRISALIS)	£18.99
LEGENDS OF VALOUR	£23.49
LEISURE SUIT LARRY 1	£12.99
LEMMINGS	£12.49
LEMMINGS 2	£14.49
LEMMINGS DATA DISK	£8.99
LIONHEART	£17.99
LOMBARD RAC RALLY	£7.99
LORD OF THE RINGS	£17.49
LORD OF THE RINGS 2	£20.49
LOST VIKINGS	£19.99

GAMES

LOTUS 3 (NO 12)	£10.49
LOTUS TURBO 2 (NO 12)	£9.99
LURE OF THE TEMPTRESS	£19.49
M1 TANK PLATOON	£11.49
MAGIC BOY	£17.99
MAGIC WORLDS (NO 12)	£16.49
MAGIAN'S CASTLE	£20.49
MAN UTD PREMIER LEAGUE	£19.49
MANCHESTER UNITED	£9.49
MANIAC MANSION (NO 12)	£10.49
MICRO MACHINES	£16.99
MICROPROSE 3D GOLF	£12.99
MIG29	£10.49
MONOPOLY	£18.49
MORTAL KOMBAT	£20.99

MORTAL KOMBAT
FAST & FURIOUS BEAT 'EM UP
Only £20.99

MR NUTZ (A1200 VERSION)	£19.49
NEW ZEALAND STORY (NO 12)	£7.99
NICK FALDO'S GOLF	£21.49

MICROCOSM CD32
Amazing 256 colour hi speed graphics
Only £24.99

NICKY BOOM 2	£16.99
MIGEL MANSELL A1200	£18.99
NIPPON SAFES	£20.49
NO SECOND PRIZE	£16.99
ONE STEP BEYOND	£14.99
OPERATION NSTEALTH (NO 12)	£11.49
OPERATION WOLF (NO 12)	£7.99
OVERDRIVE	£16.99
PANG	£7.99
PANZA KICK BOXING (NO 12)	£8.99
PATRICIAN	£20.49
PERFECT GENERAL	£22.99
PERFECT GENERAL DATA DISK	£14.49
PERIHELION	£20.49
PGA TOUR GOLF + COURSES	£19.99
PGA TOUR GOLF COURSE DISK	£11.99
PINBALL DREAMS	£13.49
PINBALL FANTASIES	£18.49

PINBALL FANTASIES
AGA VERSION, 256 COLOURS!!
Only £18.49

PIRATES (NOP)	£10.49
PITFIGHTER	£7.99
PLAYER MANAGER (NO 12)	£9.49
POOLS OF DARKNESS	£9.99
POPULOUS + PROMISED LAND (NO 12)	£10.49
POPULOUS & SIM CITY	£17.49
POPULOUS 2 + DATA DISK	£22.49
POWER UP	£14.49
PREMIER MANAGER	£10.49
PREMIER MANAGER 2	£16.49
PREMIERE	£12.49
PRIME MOVER	£19.99
PRINCE OF PERSIA	£7.99
PRO TENNIS TOUR 2	£12.49
PROJECT X	£10.49
PUGGSY	£20.49
PUSH-OVER	£17.49
PUTTY	£13.49
QUEST & GLORY (NO 12)	£13.49
QUESTION 2 (SSI) (NO 12)	£5.49
QWAK	£9.99
R-TYPE (NO 12)	£7.99
RAILROAD TYCOON	£14.49
RAINBOW COLLECTION (NOP)	£9.99
RALLY	£20.49
RAVING MAD	£11.49
REACH FOR THE SKIES	£20.49
RICK DANGEROUS (NO 12)	£7.99
ROAD RASH	£17.99
ROBIN HOOD LEGEND QUEST	£7.99
ROBOCOD (A1200 VERSION)	£17.99
ROBOCOP 2	£7.99
ROBOCOP 3 (NO 12)	£13.49
ROLLING RONNY (NO 12)	£9.49
ROME (1 MEG)	£19.99
RORKE'S DRIFT	£8.99
RULES OF ENGAGEMENT	£21.49
RYDER CUP (A1200 VERSION)	£18.49
RYDER CUP	£18.49
SABRE TEAM	£11.99
SABRE TEAM (A1200 VERSION)	£19.49
SCRABBLE (US GOLD)	£19.49
SECOND SAMURAI (1 MEG)	£20.49
SECRET OF MONKEY	£12.99
SECRET OF MONKEY ISLAND 2	£24.49
SENSIBLE SOCCER (92/93)	£13.49
SHADOW OF THE BEAST 2	£9.49
SHADOW OF THE BEAST 3	£19.99
SHADOWLANDS	£9.49
SHADOWWORLDS (NO 12)	£8.99
SHOOT-EM-UP CONSTRUCTION KIT (NO 12)	£8.99
SHUTTLE	£17.49
SILENT SERVICE 2 (NOP)	£14.49
SIM CITY DELUXE	£22.99
SIM LIFE (A1200 VER)	£22.99

GAMES

SIMON THE SORCERER	£22.49
SIMON THE SORCERER (A1200)	£25.49
SLEEPWALKER	£12.99
SMASH TV	£7.99
SOCCER KID	£18.99
SOUP TREK	£18.99
SPACE CRUSADE (NO 12)	£14.49
SPACE HULK	£20.49
SPIRIT OF EXCALIBUR (NOP)	£9.49
SPORTS MASTERS (NO 12)	£20.49
STAR TREK – 25TH ANIV AGA	£22.49
STARBLADE (NO 12)	£8.99
STARDUST	£12.49
STEVE DAVIS SNOOKER	£10.49
STRATEGY MASTER (NO 12)	£21.49
STREETFIGHTER 2	£12.99
STRIKER	£16.49
STUART PEARCE'S SOCCER	£13.49
STUNT CAR RACER (NO 12)	£7.99

STREET FIGHTER 2
Special Price £12.99

SUPER CARS (NO 12)	£7.49
SUPER CARS 2 (NOP)	£9.49
SUPER CAULDRON	£17.99
SUPER FROG (1 MEG)	£16.99
SUPER HANG ON	£7.99
SUPER HERO	£19.99
SUPER LEAGUE MANAGER	£18.49
SUPER SPACE INVADERS	£9.49
SUPERSKI 2 (NO 12)	£8.99
SWITCHBLADE 2 (NO 12)	£9.49
SWIV (NOP)	£8.99
SYNDICATE	£22.49
TERMINATOR 2	£20.99
TFX (A1200 VERSION)	£22.99
THE BLUE & THE GREY	£18.99
THE LOST TREASURE OF INFOCOM	£20.99
THE SETTLERS	£23.49

TURRICAN 3
Only £17.99

THEATRE OF DEATH	£8.49
THUNDER HAWK	£10.99
TITUS THE FOX	£9.49
TORNADO	£21.49
TRANSARCTICA	£18.49
TURRICAN	£7.99
TURRICAN 2	£7.99
ITV SPORTS BOXING (NO 12)	£13.49
TV SPORTS FOOTBALL (NO 12)	£6.49

T.F.X.
The Ultimate in Flight Simulations
Call for Availability

ULTIMA 5 (NO 12)	£9.49
UTOPIA + DATA DISK	£11.99
VIKINGS – FIELD OF CONQUEST	£11.49
VROOM (NO 12)	£13.49
WALKER	£19.99
WAR IN THE GULF	£19.99
WAXWORKS	£22.99
WHEN TWO WORLDS WAR	£21.49
WING COMMANDER 1	£10.49
WIZ 'N' LIZ	£20.49
WIZ-KID	£17.49
WONDERDOG	£14.49
WOODY'S WORLD	£17.99
WWF WRESTLING (NO 12)	£11.49
WWF WRESTLING 2	£17.49
XENON 2 MEGABLAST	£9.49
XMAS LEMMINGS	£14.49
YO JOE!	£20.99
ZAK MCKRACKEN (NO 12)	£10.49
ZOOL	£10.49
ZOOL (A1200 VERSION)	£18.49
ZOOL 2	£16.99

EDUCATIONAL

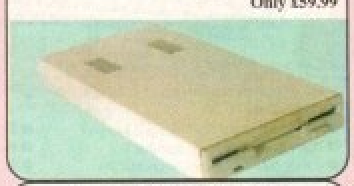
ADI ENGLISH (11-12 YRS)	£16.99
ADI FRENCH (12-13 YRS)	£16.99
ADI FRENCH (13-14 YRS)	£16.99
ADI JUNIOR COUNTING (6-7 YRS) Another superb ADI title, great for kids to learn whilst out of school	£14.49
ADI JUNIOR READING (4-5 YRS)	£14.49
ADI JUNIOR READING (6-7 YRS)	£14.49
ADI MATHS (11-12 YRS)	£16.99
ADI MATHS (12-13 YRS)	£16.99
ADI MATHS (13-14 YRS)	£16.99
ALVIN'S PUZZLES/SPELLING	£13.99
EASY AMOS (Programming) If you want to learn how to program the Amiga, but you don't know how to, then Easy Amos can & will teach you to become an expert	£22.49
FUN SCHOOL 2 (2-6 YRS) Good selection of childrens education games, covering simple counting etc	£8.49
FUN SCHOOL (6-8 YRS) 5 games including subjects like maths, spelling etc	£8.49

EXTRAS

Amiga Mouse
Only £14.99



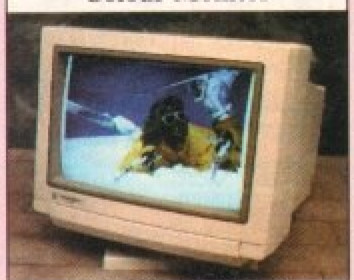
External Amiga Drive
Only £59.99



Amiga Scart Lead
Almost monitor quality picture Only £9.99

10 Blank DSDD Disks
Only £4.95

Commodore 1084ST Colour Monitor



Only £199 + £7.50 delivery

VISITORS WELCOME
WE'RE OPEN FOR VISITORS 6 DAYS A WEEK, 9.30am-5.30pm
CALL YOUR ORDER THROUGH AND COLLECT SAME DAY

Amiga 1200 *Insiders guide*
If your new to the Amiga then this great book will help you no end. It's written for complete beginners, and takes you through the A1200 step by step **Only £14.95**
Order code: ☐ Z126 + P&P

CD PD TITLES
FOR USE ON CDTV & OTHER AMIGA CDROM DRIVES

CDPD	£19.99
CDPD II	£19.99
CDPD III	£19.99
DEMO CD	£19.99
DEMO CD 2	£19.99
MULTI Media	£19.99
17 BIT Collection	£39.99
AMINET CD	£24.99

The Aminet CD contains over 600 megabytes of new American public domain software +P&P

DISK BOXES

40 Capacity lockable disk box	£4.99
100 Capacity lockable box	£6.99

+P&P

ORDERING INFORMATION
You can order any of the listed titles by simply calling the above number with your credit card details or you can write to us at the address below, stating clearly what you require, along with your name, address and full payment. Please don't forget to add the relevant postage.
UK Postage... please add £1.00 per commercial item for postage and packing.
Overseas... please add £2.50 per item.
Most orders are sent within 48 hours
PD DELIVERY IS FREE
Compatability
NOP = Not A500p or A600, NO12 = Not A1200
All titles should work on any Amiga unless stated. Some titles may as yet not be released.
All prices subject to change

EPIC MARKETING, FIRST FLOOR OFFICES, 31 FARINGDON RD, SWINDON, WILTS, SN1 5AR. ENGLAND.

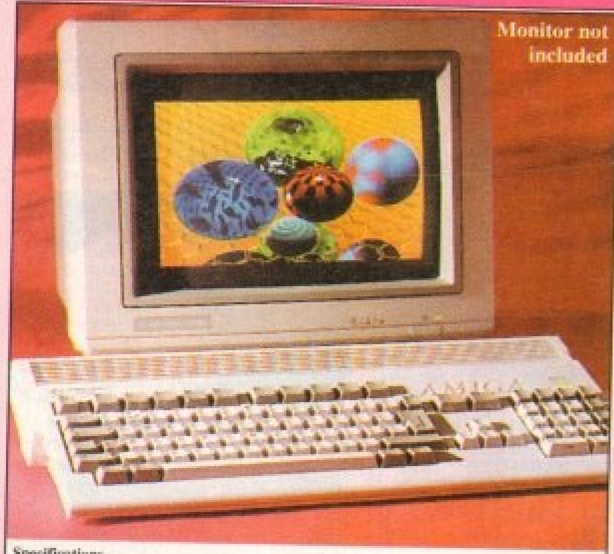
EPIC

AGA Software Specialists

Order hotline. 0793 490988

VISA · MasterCard · Eurocard · Access

AMIGA A1200



Specifications

- 96 key keyboard with numeric key pad
- 32bit Architecture, Amiga dos 3
- 2 meg ram as standard (expandable)
- AA chipset, 16.8 million colours
- 12 months on-site warranty by LCL/Wang
- 68020ec Processor, 14.19 mhz
- Built-in TV modulator
- PCMCIA smart card slot
- 32 bit expansion slot
- Approved optional hard drives

Option 1
Thunder Birds game
Nigel Mansell AGA
Trolls game AGA
& 20 PD disks of your choice
FREE!
WORTH OVER £80

Option 2
Deluxe Paint IV AGA
Words Worth 2 AGA
Oscar game AGA
Dennis the game AGA
& 20 PD disks of your choice
ADD JUST £50 TO PRICES BELOW
WORTH OVER £300

A1200	0Mb HARD DISK	64Mb HARD DISK	85Mb HARD DISK	127Mb HARD DISK	209Mb HARD DISK	XXXMb HARD DISK
2 Meg System	£289 ☐ EPC1224	£439 ☐ EPC1464	£489 ☐ EPC1485	£519 ☐ EPC1527	£589 ☐ EPC1609	P.O.A. ☐ EPCXXX
4 Meg System	£389 ☐ EPC1224-4	£539 ☐ EPC1464-4	£589 ☐ EPC1485-4	£619 ☐ EPC1527-4	£689 ☐ EPC1609-4	P.O.A. ☐ EPCXXX-4

AGA GAMES

- ☐ ALFRED CHICKEN £17.99
- ☐ AIRBUCKS £18.49
- ☐ ALIEN BREED 2 £22.99
  Very stylish game
- ☐ BODY BLOWS GALACTIC £22.99
  THE best beat'em up available, unreal 256 colour action
- ☐ BURNING RUBBER £18.49
  Fast arcade racing game
- ☐ CASTLES 2 £22.49
- ☐ CHAOS ENGINE £18.49
  One of the biggest A500 games of 93, is now available on the A1200
- ☐ CIVILIZATION £25.99
- ☐ DENNIS £19.49
  Based on the film
- ☐ JAMES POND 2 £9.99
  Enhanced A1200 version of this very addictive platformer
- ☐ ISHAR 2 £18.99
- ☐ JURASSIC PARK £19.49
  The biggest game of the year, based on the smash hit film. Smooth multi-directional scrolling action
- ☐ NIGEL MANSELL £9.99
- ☐ OSCAR £19.99
- ☐ PINBALL FANTASIES £22.99
  A 256 colour version of Amiga's most wonderful pinball game
- ☐ OVERKILL £16.99
  Fast paced Defender clone
- ☐ RYDER CUP £18.49
- ☐ SABRE TEAM £19.49
- ☐ SIM LIFE £22.99
- ☐ SIMON THE SORCERER £25.49
  Huge graphic adventure with amazing 256 colour graphics
- ☐ SLEEPWALKER £18.99
- ☐ SOCCER KID £19.49
  One of the best and most original platform games around
- ☐ STAR TREK 25th £25.99
  Nice looking Star Trek adventure, requires hard disk
- ☐ T.F.X. £22.99
  The ultimate in flight simulation, features unbelievable graphics and speed
- ☐ URIDIUM 2 (enhanced) £18.99
  The long awaited sequal to an all time classic shoot 'em up, now enhanced for the A1200
- ☐ ZOOL £18.49

AGA SOFTWARE

- ☐ DELUXE PAINT IV AGA £70
  The longest lived Amiga paint package now supports 256,000 colours...
- ☐ WORDWORTH 2 AGA £89
  One of the best Wordprocessors around. A very professional package with graphics import.
- ☐ PAGE SETTER 3 £39
  A very competent first DTP package, similar to Pro Page but a lot of the frilly bits taken out
- ☐ PRO PAGE 4.1 POA
  Latest version of this popular desktop publisher
- ☐ SUPERBASE PERSONAL 4 £100
- ☐ BRILLIANCE £130
  Top of the range AGA graphics package, unbelievably fast!
- ☐ DIRECTORY OPUS 4 £55
  The Ultimate in Directory tools. File copy, rename, move, delete etc. Rated 98% in Amiga Format
- ☐ PAGESTREAM 3 POA
  Long awaited new version of the most powerful Amiga desktop publishing package available, this version is said to even put the Mac to shame
- ☐ PERSONAL PAINT £59
  Nicely priced AGA art package
- ☐ PC TASK £40
  Allows you to run PC VGA software on your Amiga

WB3 SOFTWARE

DPi Disks cost £3.50 each

- ☐ DPi1. WORKBENCH 3
  A replacement copy of WB3, just incase your original has gone down
- ☐ DPi2. A1200 HD INSTALLER
  A1200 hard disk installation software
- ☐ DPi3. HARD DISK PREP
  For preparing your hard disk, setting partitions and formatting your hard disk, works on any size.
- ☐ DPi4. PRINTER DRIVERS
  A large collection of Workbench 3 printer drivers. Includes Star, Panasonic, Epson, Canon etc, all easy to install.

PUBLIC DOMAIN

- ☐ C096-10 AGA SLIDES
  A 10 disk collection of art
- ☐ C175 UCHESS AGA 4MEG
  The most intelligent chess game available, 256 colours in hi-res, requires 4mb ram
- ☐ C208 VIEWTEK
  Universal picture viewer
- ☐ C209 WB3 RAINBOW
  Puts a nice user definable rainbow behind your workbench
- ☐ C211-5 WEIRD SCIENCE AGA
  A 5 disk collection of some stunning art work
- ☐ C216-9 JPEG AGA IMAGES
  9 disks of unbelievable graphics

THE NEW A1200 DEGRADERS
Lets you run old software on your Amiga 1200.
Latest compilation of A1200 downgraders, a 2 disk set that contains various game fixes, Kick 1.3, KillAGA and loads of other Degrading tools
☐ *C267-2 New A1200 Degraders*

- ☐ C225-6 SUPER HAM PIX
  6 disks of great graphics
- ☐ C286 HOI AGA MEGADEMO
  The worlds first AGA demo
- ☐ C287 A1200 TETRIS
  A stunning new A1200 tetris, lovely graphics
- ☐ C288 A1200 VIRUS KILLERS
  A selection of virus killers
- ☐ C289 A1200 UTILITIES
  A collection of useful utils
- ☐ C293 PCX DATATYPE
  Displays pc pcx files
- ☐ C295 SYSINFO
  Checkout the performance of your A1200
- ☐ C304 WB3 HACKS
  Over 50 workbench hacks
- ☐ C355 WB3 SUPER KILLERS
  A collection of Virus killers
- ☐ C356 A1200 DEGRADERS
  Helps degrade your A1200 so you can run alot of the older Amiga games
- ☐ C375 S-KICK (downgrader)
  Very powerful degrader
- ☐ C403 MORE WB3 HACKS
  Another 50 or so hacks
- ☐ C405 WINBLENDER
  A 256 colour fractal generator
- ☐ C418 NFA A1200 UTILS
  A selection of various tools
- ☐ C419-2 FIT CHICKS
  A 2 disk set of pretty pictures of women
- ☐ C422 RETINA BURN
  Fast A1200 rave demo, flashy graphics etc
- ☐ C423-2 NIGHT BREED
  A 2 disk collection of graphics
- ☐ C425 FREAKS BODYSHOP
  More beautiful women
- ☐ C428 ANDYS WB3 UTILS
  Possibly the best collection of A1200 utilities available
- ☐ C429 PLASMA COLUDS 256
  Another great plasma generator
- ☐ C432 ACTION REPLAY IV
  An A1200 Action Replay? Yep that's right, it can rip gfx, rip music & sound fx etc. It stays resident in memory until the computer is turned off. A help function is integrated into the software
- ☐ C435 DEVWARE JPEG
  A collection of Jpeg utilities
- ☐ C436 JPEG UTILITIES
  Another set of Jpeg utilities
- ☐ C465-2 SPEC EMULATOR
  Spectrum emulator on 2 disks, contains a selection of ready to use spectrum games and you can load other games from cassette with an interface, although it is not essential.

Order code: ☐ MGLO Interface priced at £34.95 + P&P

FREE BOX OF 10 BLANK DISKS WITH EVERY ORDER OF 15 OR MORE TITLES

PUBLIC DOMAIN

- ☐ C467 PP SHOW 3.0A
  Display AGA powerpacked picture files.
- ☐ C500 MINDWARP
  Very impressive AGA demo. Includes realtime fractal landscape animation.
- ☐ C501 HDMEM
  Use your Hard Disk as virtual memory....requires MMU.
- ☐ C530 QUICK GRAB AGA
  Effective AGA picture ripper.
- ☐ C556 PANTA RHEI AGA
  A1200 megademo. Good.
- ☐ C553 PC TASK 2.03
  Lets you run PC VGA software on your A1200. Shareware.
- ☐ C582 2 AGA DEMO'S.
  2 A1200 mini demo's.
- ☐ C608 OSCAR AGA
  A 4 level preview of Oscar. One of the first A1200 games.
- ☐ C610 LYAPUNOVIA AGA
  A sort of Space generator! Unbelievable colour effects.
- ☐ C618 AGADOO
  Crappy AGA demo.
- ☐ C620-2 BODYSHOP 4
  Brilliant AGA pictures of the female species, in a slideshow format.
- ☐ C627-2 MOTOROLA INVADERS 2
  An AGA Space Invaders clone with an amazing 1meg soundtrack to boot. Fast paced arcade action on 2 disks.
- ☐ C678 CHROMAGIC MUSIC
  The world's first AGA music demo disk. Not bad!
- ☐ C687 TMAP DEMO
  An Interactive 3D animation with some lovely fading on the main items.
- ☐ C688 JPEG DATATYPE
  Automatically displays JPeg pictures in Viewtek/Multiview.
- ☐ C693 MANDELMANIA 4
  A1200 supported fractal generator. Gives nice end results, with no trouble.

STAR BUY!!!
SEIKOSHA 9 PIN NLQ DOT MATRIX PRINTER
Including connecting lead and driver software
Only £129

- ☐ D001 FRENCH DEMO AGA
  Very polished French promotional demo for the A1200/A4000, brilliant graphical effects.
- ☐ D005-3 KLONDIKE AGA
  A 3 disk version of Klondike. Excellent 256 colour card game.

When ordering ask for our latest AGA software list

CONSUMABLES

- ☐ A1200 DUST COVER £5.99
- ☐ A4000 DUST COVER £6.99
- ☐ MOUSE MAT £2.99
- ☐ BOX 10 BLANK DISKS £4.95
- ☐ PRINTER LEAD £7.99
- ☐ H.WARE VIRUS KILLER £4.99
- ☐ NAVIGATOR J/S £12.99
- ☐ SPEEDKING J/S £12.99
- ☐ 40 CAPS DISK BOX £4.99
- ☐ 100 CAPS DISK BOX £6.99

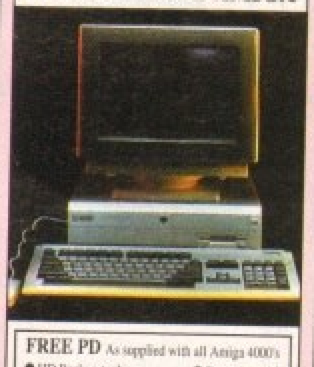
Don't forget to add P&P

FONTS DISKS

- ☐ B449 GELIGNITE FONTS
- ☐ B146 HEFTY FONTS 1
- ☐ B145 IFF FONTS
- ☐ B139-6 AMIGA FONTS 1
- ☐ A502 HEADLINE FONTS
- ☐ 653 FONTS
- ☐ C007-5 COLOUR FONTS
- ☐ C013 COMPUTER EYES FONTS
- ☐ C391-2 ADOBE FONTS
- ☐ C430 RUSSIAN ADOBE
- ☐ C528 POST + PS FONTS
- ☐ C533 FONT FARM 3
- ☐ C689 COMPUGRAPHIC
- ☐ C691 POSTSCRIPT FONTS
- ☐ PSFONTS 1-10. Pagestream.
  A 10 disk collection of some brilliant Pagestream fonts.

A4000

THE ULTIMATE AMIGA

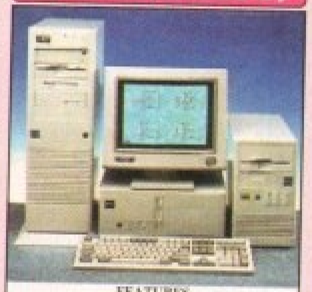


FREE PD As supplied with all Amiga 4000's
- HD Backup tools
- Virus Infection Protection
- PC TASK (PC Emulator)
- Degraders disk
- UChess AGA
- Graphics tools

A4000	A4000-030 2 Meg Ram	A4000-030 4 Meg Ram	A4000-040 6 Meg Ram
80mb Hard disk	£899 []EMB3028	£999 []EMB3080	
130mb Hard disk	£949 []EMB3110	£1049 []EMB3120	£1899 []EMB4120
214mb Hard disk		£1149 []EMB3214	£1999 []EMB4214
340mb Hard disk		£1249 []EMB3340	£2149 []EMB4340
525mb Hard disk		£1499 []EMB3540	£2399 []EMB4540

ALL A4000 MODELS COME WITH 12 MONTHS ON-SITE WARRANTY

DAT TECHNOLOGY



FEATURES
- SVGA Colour monitor
- Choice of stylish cases
- 1mb SVGA video card
- 102 key keyboard
- Mouse & software
- Dos 6.0 & Windows 3.1 complete
- 1 x 3.5" 1.44mb floppy drive
- 12 months warranty

100% IBM PC Compatible, fully expandable systems

FREE Microsoft Works for Windows v2

DAT TECHNOLOGY	486SX-25	486DX-33	486DX2-66
4meg ram 100mb HD	£898 +VAT=£1055	£1090 +VAT=£1280	£1273 +VAT=£1496
4meg ram 120mb HD	£926 +VAT=£1088	£1119 +VAT=£1314	£1299 +VAT=£1526
4meg ram 170mb HD	£939 +VAT=£1103	£1131 +VAT=£1329	£1314 +VAT=£1544
4meg ram 214mb HD	£959 +VAT=£1127	£1152 +VAT=£1354	£1335 +VAT=£1569
8meg ram 214mb HD	£1139 +VAT=£1338	£1332 +VAT=£1565	£1515 +VAT=£1780

Please call for a quote on other models or configurations
For help on choosing the best PC for you, call our helpful PC Sales hotline on 0793 512874.
Guaranteed 7 day delivery!

PD CLIP-ART

- ☐ ART1-2 WEDDINGS (2 disks)
- ☐ ART2-2 HOUSES (2 disks)
- ☐ ART3-3 RELIGIOUS (3 disks)
- ☐ ART4 WW1 AIRCRAFT
- ☐ ART5-2 MEN (2 disks)
- ☐ ART6-2 WOMAN (2 disks)
- ☐ ART7-2 KIDS (2 disks)
- ☐ ART8 BUSINESS
- ☐ ART9 OFFICE
- ☐ ART10 STUDENTS
- ☐ ART11 SALETIME
- ☐ ART12-3 XMAS (3 disks)
- ☐ ART13-3 PUNCH (3 disks)
- ☐ ART14 ANIMALS
- ☐ ART15 CATS
- ☐ ART16 SILHOUETTES
- ☐ ART17-2 SCHOOLS (2 disks)

CD32

WORLD'S FIRST 32bit GAMES CONSOLE



Specifications
- 32 bit processor
- 16.8 million colours
- Dual speed CD Rom drive
- FMV module available soon
- CD games from £15
- 2meg Ram
- 11 Button Control Pad

3 FREE CD TITLES Only **£299** ☐ *ECD3200*

Full Motion Video Module
call use for availability

CD32 GAMES

Pre-order any of the following games and get £5.00 off listed Prices...

- ☐ JAMES POND 2 £29.99
- ☐ ZOOL £29.99
  Enhanced A1200 version, now with a great sound track, and an amazing 8mb intro.
- ☐ PINBALL FANTASIES £32.99
- ☐ SLEEP WALKER £29.99
- ☐ D'GENERATION £29.99
- ☐ SENSIBLE SOCCER £29.99
  The best football game available.
- ☐ F17 CHALLENGE £14.99
- ☐ PROJECT X £14.99
  The best shoot em up on the Amiga now hits the CD32.
- ☐ ALIEN BREED SPEC £14.99
- ☐ QWAK £14.99
- ☐ JURASSIC PARK £34.99
  Said to have amazing film like animations in it, set to be a big hit on the CD32.
- ☐ LEGEND OF SORASIL £25.99
- ☐ DEEP CORE £29.99
- ☐ COMPOSER QUEST £34.99
- ☐ SURF NINJA'S £29.99
- ☐ ALFRED CHICKEN £29.99
- ☐ HUMANS 1 & 2 £TBA
- ☐ ELITE 2 £TBA
  Frontier on the CD32. Lovely stuff.
- ☐ OVERKILL £29.99
- ☐ LOTUS TRILOGY £34.99
  3 Lotus racing games on one CD.
- ☐ WHALES VOYAGE £29.99
- ☐ K240 £25.99
- ☐ AMERICAN FOOTBALL £29.99
- ☐ DEFENDER CROWN II £29.99
- ☐ GUINESS DISK OR REC'S II £29.99
- ☐ GULP £29.99
- ☐ TOTAL CARNAGE £29.99
- ☐ INFERNO £29.99
- ☐ JAMES POND 3 £29.99
- ☐ ZOOL 2 £29.99
- ☐ OPEN GOLF £29.99
  Brilliant looking golf game.
- ☐ LITIL DEVIL £29.99
- ☐ UTOPIA 2 £29.99
- ☐ GENESIS £29.99
- ☐ EXILE £29.99
- ☐ EURO FOOTBALL £29.99
  European football at it's best.
- ☐ MICROCOSM £TBA
  The most long awaited CD release ever. Features amazingly fast 256 colour graphics.
- ☐ LIBERATION £34.99
- ☐ CHAOS ENGINE £29.99
- ☐ URIDIUM II £34.99
  Fast paced shoot em up.
- ☐ T.F.X. £29.99
  Unbelievable flight simulator. Takes full advantage of CD32. An experience not to be missed.
- ☐ BUBBLE & SQUEAK £29.99
- ☐ MORPH £29.99

Other titles available.
Some titles may not yet be released

ORDER FORM

Name ....
Address ....
....
Tel .... Amiga ....
Total order value: £ .... Total disks: ....
Payment method ....

Credit Card Details

Credit card no: ....
Exp. date: ....

PD Prices per disk (inclusive of P&P in UK)

1 Single disk	£3.00	2-5 disks	£2.00 each
6-10 disks	£1.75 each	11 or more	£1.50 each

C123-4, means 4 disks

PD OVERSEAS ORDERS

Overseas orders are welcome for PD disks, but please add 25p per disk.
For commercial games please add £2.50 for P&P
Re: Hardware, call for prices.

COLLECTING

You are welcome to collect your order, but you are advised to phone it through prior to collection. Office hours: 9.30am-5.30pm Mon-Sat.

ORDERING BY POST

Simply send your order in on an A4 page, listing the numbers you require, the total cost, and your name & address or if you wish simply mark off the titles you wish to order, fill in your name etc, and send this page to **EPIC MARKETING**, 1st Floor Offices, 31 Faringdon Rd, Swindon, Wilts SN1 5AR, enclosing full payment

ORDERING BY PHONE

Call any time between 9.30 & 5.30pm Monday to Saturday with your credit card details and the items you would like to order.

Delivery Charges. Amiga hardware & PD disks are inclusive of VAT. Delivery of PD disks is free in the UK Mainland, commercial software & CD games, etc add £1.00 P&P per item
Amiga hardware is normally delivered within 48 hours at a cost of £7.50

EPIC MARKETING, FIRST FLOOR OFFICES, 31 FARINGDON RD, SWINDON, WILTS, SN1 5AR. ENGLAND.

Our Amos expert, Phil South, concludes his two-part look at Amos 3D and looks at some undocumented features

Adding an extra dimension

This month we'll go into how you actually move objects around using Amos 3D. As the program is an extension to the Amos language, there are some special commands added to the standard Amos command set which you can use to move objects around in 3D space.

Once the Amos 3D extension has been fitted to your program, you can load and move 3D objects in your normal Amos programs using a series of new commands.

Now you have to come to terms with the idea of space – 3D space. The world now has a trio of axes, called x, y and z. We are used to using x and y on the computer screen, and translating objects around that screen merely involves adding numbers to their x,y co-ordinates – like the numbers which tell a move sprite command to shift the position of a sprite. But now you have an extra dimension, that of depth, and this is the z dimension.

With Amos 3D there are a new set of commands called "Td" commands, and these preface any 3D commands you put in your programs, like this example:

```
Td Dir "3D"
```

This points to the disk which contains the 3D objects. It's the 3D version of the "Dir$=" command you get in Amos. Next a few commands you will be familiar with:

```
Hide : Double Buffer : Autoback 0
```

If you are moving sprites, even 3D ones, you'll need to be double buffering to cut the amount of unnecessary flicker. Next you have to load the object:

```
Td Load "checkmark"
Td Object 1,"checkmark",0,0,5000,0,5000,-
4000
Palette ,,,,,,,,,$FFF,$F,$777
```

The process is not unlike that of loading and positioning a sprite. First you load the object, in this case "checkmark". This is loaded from the disk you pointed to as being your 3D directory. Then the Td Object command positions the object on the screen. It's object 1, its name is "checkmark", and we want it positioned as described in the command.

The first three figures are the position of the object in space, so we have x=0, y=0 and z=5,000. This is pretty much dead centre on the screen. Next we want an attitude, and this doesn't mean your shape should be talking back and dissing you.

Attitude describes the direction the shape is pointing, in this case A=0, B=5000 and C=-4000. This in unimportant if the shape in question is a cube, but if it's a spaceship you'll want it to be the right way up and pointing in the direction it is supposed to be flying.

Finally we enter the loop zone where the movement is calculated:

```
Repeat
    Td Angle 1,A,0,A
```

This is like a Bob command, where the angle of the object in all of the three dimensions is fixed.

```
A=A+1000
```

Increment the X dimension and our object will tumble.

```
    Cls 0
    Td Redraw
    Screen Swap
    Wait Vbl
Until False
```

And wrap it all up with drawing the screen and waiting for the next vertical blank before you alter the position of the object. It's all basically the same kind of deal as moving sprites around the screen.

Obviously you now have to learn to think in 3D, but that goes with the territory. Vectors are hard to do in normal circumstances, but this program should make the whole thing really that much easier to cope with. You can sketch out your 3D ideas on graph paper beforehand, just to give you an idea of what you want. AC

Hidden gems

The disk also features details of some undocumented Td Commands like the one to define order in which objects are drawn:

```
Td Priority n,p
```

where n = Object number and p = Object drawing priority

This allows you to specify the order in which objects are drawn by the 3D system. In other words objects that are drawn first appear in front of other objects. The command makes some interesting special effects possible:

```
Priority,p        Object drawing order
```

which translates as:

```
0      Draw the object in the normal way (by depth)
>0     Draw the object in front of all other objects
       with a lower priority
<      Draw the object behind all other objects with a
       higher priority.
```

By default all objects have a priority of 0. Note that if two objects have non-zero priority the one with the highest priority will be drawn first (in front).

The other undocumented feature is TD SET COLOUR which sets a specified object block's colour combination, like so:

```
Td Set Colour n,b,c
```

where n = Object number, b = Block number and c = Colour combination code of the block (same as in OM).

This command is the language equivalent of OM's colour combination tool described in the 3D manual. It sets the colour combination code of the specified block.

Valid colour numbers range from 0 to 16, colour combinations 0 to 12 are the same as in OM, colour combinations 13-15 are new. An out of range colour code will be truncated to the nearest valid code without causing an error.

Want to catch up?



Missed last issue's first part of the tutorial? Catch up by ordering a back issue. Turn to page 172 for details of how to order.

If you want to really master Amos 3D, our exclusive manual offer can get you there at a discount price. Turn to page XX for details

AUTHORISED DEALER FOR * AMIGA * STAR *

AMIGA

Amiga 600 Base Pack	169.00
Amiga 600 Award Winners Pack (4 games)	179.00
A1200 Desktop Dynamite 60Mb HDD incl. Commodore Warranty	489.00
A1200 Desktop Dynamite 80Mb HDD "	539.00
A1200 Desktop Dynamite 120Mb HDD "	569.00

PRINTERS

All printers include a parallel cable

Star LC-100 Colour	145.00
Star LC24-100	179.00
Star LC24-20 MkII	209.00
Star LC24-30 Colour	229.00
Star LC24-300 Colour	295.00
Star StarJet SJ-48 Bubble Jet	219.00
Star SJ-144 Colour Thermal	545.00

MONITORS

All monitors include Amiga Cables

Philips 8833-II	199.00
Commodore 1084S Stereo	179.99
Commodore 1940 Dual Sync Stereo 0.39 Dot	279.00
Commodore 1942 Dual Sync Stereo 0.28 Dot	349.00

DISK DRIVES

A4000 214Mb Second Hard Drive	199.00
A600/1200 85Mb Internal Hard Drive	219.00
A600/1200 127Mb Internal Hard Drive	269.00
Zappo A500/600/1200 3.5" External Drive	(p&p £2) 54.99
A600 or A2000 Internal 3.5" Drives	(p&p £2) 59.95
A500 Internal 3.5" Drives	(p&p £2) 54.95

MISCELLANEOUS

Genius Happy Mouse inc Mouse Pad	(p&p £1) 14.95
Anti-Surge 4 x 13 amp Socket Block	(p&p £1) 18.95
GFA BASIC 3.5 for Amiga 500/2000	(p&p £1) 9.95
Sonmax Zip Stik Super Pro Joystick	(p&p £1) 12.95
The BUG Joystick	(p&p £1) 12.95

CHIPS – Free p&p

A600/1200 Smartcard FASTRAM 2/4Mb	129/199
Kickstart V2.04 ROM for A500/2000	27.50
Kickstart V1.3 ROM for A500/2000	27.00
Super Denise 8373 (For New Graphics Modes)	35.00
1Mb Fat Agnus 8372	37.00
CIA Chip 8520	14.50

ALL PRICES INCLUDE 17.5% VAT, CARRIAGE £7. Prices subject to change without notice. E & OE

Amiga 1200 Desktop Dynamite

Wordworth AGA + Print Manager
Deluxe Paint AGA
Dennis the Menace AGA + Oscar AGA
Plus
International ports Challenge + Paradroid 90
Cool Croc Twins + Indianapolis 500

£339

Hard Drive systems available

Amiga 600/1200 Hard Drives

80Mb £239 ★ 120Mb £279 ★ 170Mb £319

Prices include collection, fitting and return plus new 12 Month On Site Warranty for machine irrespective of age!

NEW! Amiga CD32

Commodore's Fantastic CD ROM Console **£279**

Amiga 4000/30 120Mb £969

80Mb Version £889

Call for RAM / Disk Configurations
Mouse + Workbench 3 + Manuals

(All A4000/1200/600 Prices include Home Maintenance)

Delta Pi Software Ltd

VISA

8 Ruswarp Lane, WHITBY, N. Yorks YO21 1ND
TEL/FAX: 0947 600065 (9am - 7pm)

MasterCard

Micro Active computers

MAIL ORDER
HOT LINE 081 981 9080

Opening hours: Mon - Fri 9am to 7.00pm
Sat 9am to 5.30pm

Active Deal

A600 Award Winners Pack
£176.95 Includes Space Ace, Kick Off 2, Populous, Pipe Mania

Amiga CD32 + Oscar & Diggers
£275.45 NEW

Amiga 1200
Race 'n' Chase pack inc.
Nigel Mansell F1 & Trolls
£272.00

Amiga A570 CDTV for A500	£93.95
Amiga A590 H/Drive for A500	£150.00
Amiga 3.5 Ext Drive	£53.95
Squik Mouse	£12.50
Roctec PIP/TV Tuner	£82.00

Amiga 600 1 year on site warranty

Wild, Weird & wicked pack	£186.95
Epic pack with 64Mb Hard Drive	£329.95

Amiga 1200 1 year on site warranty

Race 'n' Chase pack with 64Mb Hard Drive	£420.95

DESKTOP DYNAMITE PACK • **NEW** •
Includes Digita Wordworth, Deluxe Paint IV (AGA), Digita Print manager, Oscar & Dennis
£319.95

Desktop Dynamite with 64Mb Hard Drive	£467.95

Amiga 4000 1 year on site warranty

A4000/030 2Mb RAM with 80Mb Hard Drive (2Mb chip/0Mb fast)	£929.95
A4000/030 4Mb RAM with 80Mb Hard Drive	£999.95

All above items official Commodore approved • Other hard drive configurations available.

Peripherals & Accessories

MONITORS

CBM 1084S 14" col. monitor	£167.50
CBM 1940 14" .39 dot pitch col. monitor	£278.95
CBM 1942 14" .28 dot pitch col. monitor	£367.95
Philips 8833 Mk II inc. Lotus Turbo	£190.00

PRINTERS

Citizen 120D+ 9 pin mono	£116.00
Citizen Swift 90 9 pin mono	£153.95
Citizen Swift 900 9 pin colour	£165.95
Citizen Swift 200 24 pin	£189.95
Citizen Swift 240 24 pin	£225.00
Printer starter kit	£10.00

to give you an ideal start with your new Citizen printer worth £57.58 only £10 when purchased at the same time. Now includes Citizen Print Manager U2.01

Citizen Project II Inkjet	£250.00

VIDEO

Rocgen Plus Genlock	£130.00
Rombo Vidi-Amiga 12	£77.00
Video Master	£55.00

JOYSTICKS

Freewheel Analogue	£32.00
Comp. Pro 5000	£11.00
Zip Stik Super Pro	£12.00

Software

A320 Airbus	£21.50
Alien Breed 2 (A1200)	£19.50
Body Blows	£19.50
Brutal Football	£17.50
Canon Fodder	£20.00
Championship Manager	£19.00
Desert Strike	£21.00
Dune 2	£20.50
F17 Challenge	£10.00
F1 Grand Prix	£24.50
Goal	£20.50
Gunship 2000	£24.50
John Madden Football	£19.00
Jurassic Park (A1200)	£19.50
Lemmings 2	£21.50
PGA Tour +	£21.50
Pin-ball Fantasies	£21.50
Reach for the Skies	£22.00
Sensible Soccer 92/93	£17.50
Sleepwalker	£21.50
Street Fighter 2	£20.00
Syndicate	£24.50
Trolls (A1200)	£20.00
Walker	£21.00
Wing Commander	£21.50
Zool	£17.50

CD32 SOFTWARE

D-Generation	£17.95
Deep Core	£17.95
CD Demo 2	£15.95
J. Pond 2	£20.50
Morph	£20.50
Pinball Fantasies	£22.50
Sleepwalker	£21.95
Trolls	£20.50
Whales Voyage	£20.50
Zool	£20.50

Many more games available including CD titles, Please call

SERIOUS SOFTWARE

Art Dept. Pro v2	£142.95
Cinemorph	£22.00
Cross DOS v5	£32.00
Deluxe Paint IV AGA	£72.95
Directory Opus 4.0	£49.95
Final Copy II	£74.95
Professional Page 4.0	£115.00
Real 3D Classic	£75.00
Mini Office	£45.95

Just a small selection of what's available at MICRO ACTIVE

DELIVERY CHARGES:
Software Titles £1.50/£2.50 with 2 or more titles. Hardware £3.50
All goods despatched on cheque clearance
•PRICES MAY CHANGE WITHOUT NOTICE •

HOW TO PAY: Please make cheques/P.O. payable to MICRO ACTIVE and send with order to: MICRO ACTIVE, Bow House Business Centre, 153-159 Bow Road, London E3 2SE

POST HASTE

11a, Burgate Lane, Canterbury, Kent. CT1 2HH

TRY US.. WE LIVE UP TO OUR NAME.. RING NOW!!!

TEL.0227-764204 9.30am to 7.00pm

(Answerphone outside normal hours)

Select any 3 titles £7.99 or less for only £20.00

SOFTWARE

Some of the following games titles are limited offers at the time of going to press. Order early to avoid disappointment.We stock all the latest titles which we offer at

30% OFF

R.R.P.

EDUCATIONAL

ADIEnglish(11/12or12/13)	16.99
ADIEnglish(13/14or14/15)	16.99
ADIFrench(11/12or12/13)	16.99
ADIFrench(13/14or14/15)	16.99
ADIMaths(11/12or12/13)	16.99
ADIMaths(13/14or14/15)	16.99
ADIJunior Counting(4/5)	13.99
ADIJunior Counting(6/7)	13.99
ADIJunior Reading(4/5)	13.99
ADIJunior Reading(6/7)	13.99
Answerback Junior	13.99
Answerback Senior	13.99
Arithmetic (Answrbak data)	7.49
Spelling (Answrback data)	7.49
Better Maths (12-16)	13.49
Better Spelling (over 8)	13.49
Cave Maze	10.99
Count and Add	16.99
First Letters	6.99
Fraction Goblins	10.99
FunSchool2(2-6,6-8,or8+)	6.99
FunSchool3(2-5,5-7,or7+)	16.99
FunSchool4(2-5,5-7)	16.99
FUN SCHOOL 4 (7 +)Only	9.99
Henriettas Book of Spells	16.99
Hooray for Henrietta	16.99
Kid Pix (Paint Package)	16.99
KidsAcademyWWW4-8	13.99
KidsAcademyShop'n 6-8	13.99
KidsAcademyPuzzle 6-8	13.99
Lets Spell at Home	13.99
Lets Spell at the Shops	13.99
Lets Spell Out and About	13.99

TRIPLE ACTION

Titus the Fox
Ghostbusters 2
Targhan

£9.99

Magic Maths (4-8)	13.49
Maths Adventure	16.99
Maths Dragons	10.99
Maths Mania (over 8)	13.49
Mavis Beacon Typing 2	19.99
Mega Maths	16.99
Merlin Maths	16.99
Micro English	16.99
Micro French	16.99
Micro German	16.99
Micro Maths	16.99
Micro Science	16.99
Mickey Mouse ABC	16.99
Mickey Mouse Jigsaw	16.99
Mickey Mouse Memory	16.99
Mickey Mouse 123	16.99
Mix & Match	16.99
Noddy's Playtime	16.99
Paint and Create	16.99
Paint Me a Story	14.99
Picture Fractions	10.99
Reasoning With Trolls	10.99
Shapes and Colours	6.99
Shoe People	7.99
Sooty's fun with numbers	13.99
Spelling Fair	16.99
Telling The Time	10.99
Things to do Numbers	13.99
Things to do Words	13.99
Thomas Tank fun words	13.99
Three Bears	13.49
Tidy The House	10.99
Time Flies	10.99

CHAMPIONS

Manchester United, World Champ.Boxing Manager, J.Khan Squash.

Only £9.99

OK A500+ and A600

GAMES

688 Attack Sub	9.99
Action Stations	7.99
Addams Family	7.99
Agony	7.99
Alien Breed 92	7.99
Armalyte	6.99
Ashes of the Empire	9.99
Bard's Tale III	7.99
Batman the Movie	6.99
Battlechess	7.99
Battle Squadron	6.99
Bignose Caveman	6.99
Bills Tomato Game	9.99
Blitzkreig	7.99
Bloodwych	6.99
Boston Bomb Club	7.99
Bubble Bobble	6.99
Bubble Dizzy	6.99
Budokhan	9.99
Bully Sporting Darts	6.99
Cardiaxx	7.99
Carrier Command	7.99
Centurion Def. of Rome	7.99
Champ.Manager 94 Data	7.99
Chart Attack (James Pond)	9.99
Chase HQ 2	7.99
Christmas Lemmings	12.99
Chuck Rock	9.99
Classic 4 (ok kick 1.3)	6.99
Colossus Chess X	6.99
Count Duckula 2	6.99
Deluxe Strip Poker 2	9.99
Dizzy Prince of Yolkfolk	6.99
Edd the Duck 2	6.99
F15 Strike Eagle 2	11.99
F16 Combat Pilot	7.99
F17 Challenge	8.99
F19 Stealth Fighter	10.99
F29 Retaliator	8.99
Falcon	9.99
Fantasy World Dizzy	6.99
Face Off Hockey	7.99
Final Fight	7.99
Flight of the Intruder	9.99
Flimbos Quest	7.99
Future Wars	9.99
Gem X	6.99
Ghouls 'n' Ghosts	6.99
Grand Prix Circuit	7.99
Gunboat	8.99
Hardball	7.99
Hero Quest	7.99
Hook	7.99
Indy Jones+L.C.Gr.Adv	9.99
International Karate +	6.99
Jack Nicklaus Golf	6.99
Jaguar XJ220	8.99
James Pond	6.99
John Barnes Football	7.99
Keef The Thief	7.99
Kick Off 2	7.99
Killing Game Show	7.99
Last Ninja 3	7.99
Leander	9.99
Linx Golf	11.99
Little Puff	6.99
Lombard RAC Rally	6.99
Loom	9.99
Lords of time	6.99
Lotus 2	7.99
Lotus 3	9.99
M1 Tank Platoon	9.99
MacDonaldland	9.99
Magicland Dizzy	6.99
Man. United Europe	7.99

Maniac Mansion	9.99
Mega Twins	7.99
Mercs	7.99
Microprose Soccer	6.99
Midwinter	9.99
Midwinter 2	11.99
Myth	7.99
Narco Police	6.99
Navy Seals	7.99
New Zealand Story	6.99
North & South	6.99
Oh No More Lemmings	9.99
Operation Harrier	7.99
Operation Stealth	9.99
Ork	9.99
Outrun Europa	7.99
Pacific Islanda	9.99
Pacland	7.99
Pacmania	7.99
Pang	6.99
Paperboy 2	7.99
Pictionary	6.99

Secret of Silver Blade	14.99
Shadow Dancer	7.99
Shadow of the Beast 3	9.99
Shadow Warriors	6.99
Shadowlands	7.99
Silent Service 2	11.99
Simpsons	7.99
Slightly Magic	6.99
Smash TV	6.99
Sooty & Sweep	6.99
Spellbound Dizzy	6.99
Steg the Slug	6.99
Streetfighter	7.99
Strikefleet	9.99
Stunt Car Racer	6.99
Supercars 2	7.99
Super Monaco GP	7.99
Switchblade 2	7.99
Swiv	7.99
Team Yankee	7.99
Tennis Cup 2	7.99
Terminator 2	6.99

TOP TITLES SPECIALS

Putty, J Madden's F'ball, Sensi Soccer 92/93, Prem Manager2, N. Mansell Grand Prix, Chaos Engine, ,Worlds of Legend, Battle Isle 93,,Woodys World, Curse of Enchantia,Alfred Chicken,Yo!Jo!,Jurassic Park....*£16.99 EACH*

BodyBlows,Superfrog,Scrabble,Streetfighter2*£17.99 EACH*

Alien 3, Populous II, Ishar2, Castles, Pinball Fantasies, Reach For The Skies, War in the Gulf, Combat Air Patrol, Flashback, Humans 2, Eye of the Beholder 2, Lionheart, G. Gooches Cricket, Desert Strike, GOAL!, Walker, SpaceLegend(W.Comm/Elite/Megatravel) Dune2, Caesar Deluxe. Air Bucks1.2,Sports Masters, Soccer Kid, 1869, Whales Voyage, Caesar Deluxe........*£19.99 EACH*

Civilisation, Mprose Grand Prix, Campaign, Nick Faldo Golf, Gunship 2000, History Lines, Sim Earth, Legend of Kyrandia, A-Train, B17 Fortress, Syndicate, Sim Life, F117 Nighthawk(ring), Patrician, Dogfight, Elite2,Ancient Art of War, F117A Nighthawk, Space Hulk..............*£22.99 EACH*

Monkey Island 2, Indiana Jones Fate Atlantis.......*£23.99 EACH*

Legends of Valour, Blade of Destiny .*£25.99 EACH*

Pinball Magic	7.99
Pirates	9.99
Pitfighter	6.99
Pools of Darkness	14.99
Popeye 2	6.99
Populous + Lands	9.99
Postman Pat 3	6.99
PP Hammer	6.99
Prehistorik	7.99
Premier	9.99
Premier Manager	9.99
Prince of Persia	6.99
Pro Tennis Tour	6.99
Project X	8.99
Qwak	8.99
R-Type	6.99
Railroad Tycoon	11.99
Rainbow Islands	6.99
RFI Baseball 2	6.99
Rick Dangerous 2	7.99
Robin Hood (Codemasters)	6.99
Rodland	7.99

Test Drive II	6.99
Thomas Tank & Friends	6.99
Thunderbirds(ok kick 1.3)	7.99
Thunderhawk	7.99
TOKI	7.99
Trivial Pursuit	6.99
Turbo Outrun	6.99
Turrican	6.99
Turrican II	7.99
Ultimate Golf	7.99
Utopia + New Worlds	9.99
Video Kid	7.99
Voodoo Nightmare	6.99
White Death	7.99
Winning 5 Compilation	7.99
World Leaderboard Golf	7.99
WWF Wrestlemania	7.99
X-Out	6.99
Z-Out	6.99
Zak McKraken	9.99
ZOOL	9.99

All Prices Include Delivery To Your Door.

DECEMBER ORDER FORM

Name________________
Address________________

Tel.No.________________
Cheque/Credit No.________________
Expiry Date.________ Description of
Customer Ref.No.________ Machine
Titles________________

VISA, MASTERCARD, EUROCARD and P.ORDERS are despatched same day! Please allow 4 working days for cheques to clear. CHEQUES/P.ORDERS payable to POST HASTE, 11a, Burgare Lane, Canterbury, Kent.CT1 2HH Overseas Orders add £2.00 postage for Software. Hardware overseas postage charged at cost. Prices are subject to alteration.

SERIOUS

VIDEO & MULTIMEDIA	
Adorage	54.99
Big Altern. Scroller 2	54.99
Broadcast Titler 2	174.99
Hyperbook	49.99
Scala	174.99
Scala 500	74.99
TV Text Professional	74.99
TV Show 2	49.99
Videotitler 1.5 3D	69.99
Video Director	94.99
Video Fonts (Gold Disk)	39.99
WORDPROCESSING	
Final Copy II V2	74.99
SoftFaces 1,2,3 or 4(Fonts)	54.99
SoftClips	37.99
Penpal	34.99
Excellence 3	54.99
Protext 4.3	39.99
Protext 5.5	99.99
Transwrite	9.99
Wordworth 2	79.99
Typesmith	109.99
SPREADSHEET	
ProCalc	124.99
Advantage	39.99
DG Calc	28.99
Maxiplan 4	39.99
DATABASES	
Infofile (Fast Ram Only)	19.99
Superbase Personal 2	19.99
Superbase 4	99.99
SuperbasePro4 v1.3	199.99
INTEGRATED (WP/SS/DB)	
InterOffice	37.99
Mini Office	37.99
Gold Disk Office	49.99
DESKTOP PUBLISHING	
Pagesetter 3	49.99
PageStream	129.99
Publisher	34.99
Pro Page 4	99.99
Pro Draw 3	89.99
Outline fonts	99.99
Gold Disk Fonts 1-4	34.99
Expert Draw	49.99
CAD	
X-CAD 2000	89.99
X-CAD 3D	299.99
X-CAD Professional	89.99
ACCOUNTS	
Arena Accounts	69.99
Home Accounts	22.99
Home Accounts 2	34.99
Cashbook/Final Accounts	49.99
Person Finance Manager+	27.99
GRAPHICS	
Deluxe Paint IV AGA	64.99
Brilliance	129.99
Spectracolor	54.99
ProFills	24.99
Turboprint Professional	34.99
Art Department Pro 2.15	129.99
Morph Plus	139.99
3D MODELLING & RENDERING	
4D-Professional	199.99
Expert Draw 4D Jnr	47.99
Sculpt 3DXL	84.99
Sculpt Animate 4D	199.99
Vista Professional V3	44.99
Makepath(Vista Pro)	24.99
Imagine 2	149.99
Real 3D Pro/Turbo V2	319.99
Real 3D Classic	67.99
Scenery Animator V4	54.99
PROGRAMMING	
Easy AMOS	22.99
AMOS Professional	32.99
AMOS Pro Compiler	22.99
Devpac 3	49.99
Hisoft Pascal	74.99
GFA Basic 3.5	7.99
MUSIC	
Bars & Pipes Pro 2	199.99
Superjam V1.1	79.99

You name it!...We do it!... Just phone and we'll quote!
WE STOCK ATARI ST S/W
WE STOCK IBM/PC S/W
WE STOCK SNES CARTS.
WE STOCK SEGA CARTS.
WE STOCK LYNX CARTS.
WE STOCK C64 CARTS.
WE STOCK CD32
MAIL & TELEPHONE ORDERS ONLY!.......

NO PERSONAL CALLERS!

ADVANCE BOOKINGS

We accept advance orders for new releases. You can order with peace of mind as we will despatch on day of release. Your account will not be debited until date of release.

TigerCub	74.99
Music Mouse	9.99
Quartet	19.99
Stereo Master	29.99
Deluxe Music C. Set 2	59.99
Technosound Samples V2	34.99
Midi Interface + Lead	19.99
MISCELLANEOUS	
Cross Dos 5	34.99
PC Task	34.99
Directory Opus 4	54.99
Ami-Back	34.99
Ami-Back Tools	34.99
GB Route Plus (New Vers.)	34.99
Quarterback 5 H/D Backup	47.99
Quarterback Tools Deluxe	89.99
Icon Paint	7.99

HARDWARE

A500 Plus Cartonn Classics	189
A600 Basic Pack	179
A600 Wild Weird & Wicked	199
A600HD 20Mb Epic Pack	269
A600HD 40Mb Epic Pack	299
A1200	279
A4000/030(120MB)	ring
GVP A500 42Mb+8Mb(0k)	199
GVP A500 80Mb+8Mb(0k)	299
GVP A500 120Mb+8Mb(0k)	399
GVP SCSI Control+8Mb(0k)	119
GVP SCSI 80Mb+8Mb(0k)	299
GVP SCSI 120Mb+8Mb(0k)	399
120Mb for A600/A1200	199
Cumana 3,5" External Drive	55
Zappo 3.5" External Drive	55
Zydec 3.5" External Drive	53
A500 3.5" Internal Drive	49

AMIGA A1200

Race'n'Chase
Nigel Mansell Grand Prix
Trolls and DPaint 3

£289.99

A600 512k Upgrade	15
A600 1Mb Upgrade	38
A500 Plus 1Mb upgrade	35
A500 512k Ram (no clock)	20
A500 512k Ram + clock	25
1.5 Mb Ram Expansion	79
A500RX 8Mb RAM (2Mb)	129
A500RX 8Mb RAM (4Mb)	219
A500RX 8Mb RAM (8Mb)	339
1 Mbyte Simms	42
AT-Once PC 286 Emulator	189
Rombo Vidi 12 Pack	89
Sharp JX100 A6 Col. Scanner	399
Zydec Hand Scanner	99
Power Scanner	99
Genitizer Graphics Tablet	129
Zydec Mouse(Microswitched)	12
Itsa Mouse (Microswitched)	12
Mouse Mat	3
50 Blank Disks	25
MONITORS	
Philips 8833-II (UK Model)	189
Commodore 1084/1085s	189
Commodore 1940 Multisync	289
Commodore 1942 Multisync	379
PRINTERS	
(Inc. lead+Amiga Printer Driver)	
Star LC100 Colour	169
Star LC200 Colour	199
Star LC24-200 Colour	269
Starjet (Bubblejet)	219
Starscript Postscript Laser	1099
Citizen Swift 90 Colour	179
Citizen Swift 240 Colour	279
Citizen Swift 200 Colour	229
Canon Bubblejet Portable	219
HP Deskjet 550C Colour	579
HP Deskjet500C	319
HP Deskjet510 Mono	279

A1200 AGA SOFTWARE

Civilisation	£26.99
Robocod	£16.99
Nigel Mansell	£14.99
Trolls	£14.99
Sim Life	£22.99
Open Golf	£16.99
Zool	£16.99
Air Bucks 1.2	£22.99
Jurassic Park	£17.99
Alfred Chicken	£16.99
Overkill	£13.99
Kings Quest 6	£Ring

RUBYSOFT (UK) LTD

THE INTELLIGENT PERSONS CHOICE



RUBYSOFT (UK) LTD, (Dept AA)
96 Lillie Road, London,
SW6 7SR. England
Tel: 071 381 8998
or 071 610 1703
Fax: 071 610 1703
Some shop prices will differ.

SHOP NOW OPEN ON SUNDAYS FROM 10AM-1PM UNTIL XMAS

RUBY CHARTBUSTERS

	ST	AMIGA
A TRAIN	N/A	24.95
A TRAIN CONSTR KIT	N/A	13.99
A 320 AIRBUS USA	25.55	25.55
A 320 AIRBUS APPROACH TRAINER*	25.55	25.55
ATAC*	TBA	24.99
ALIEN 3	N/A	20.95
ALIEN BREED 2	N/A	18.95
ALIEN BREED 2 A1200	N/A	19.95
ALLO ALLO!	N/A	17.95
AMERICAN GLADIATORS NOT 1200	TBA	17.95
ANCIENT ART OF WAR IN THE SKIES	23.95	23.95
APOCALYPSE*	N/A	19.95
ASHES OF EMPIRE	N/A	15.99
B 17	24.95	24.95
BATTLE ISLE '93	N/A	17.95
BATTLE TOADS*	17.95	17.95
BEASTLORD	14.99	14.99
BLADE OF DESTINY	N/A	26.95
BLOB	TBA	17.99
BOBS BAD DAY	N/A	17.95
BODY BLOWS VERSION 2	N/A	17.95
BODY BLOWS GALACTIC A1200 WITH APACHE	N/A	20.95
BODY BLOWS GALACTIC A500/600 WITH APACHE	N/A	20.95
BRUTAL SPORTS FOOTBALL	N/A	17.95
BURNING RUBBER A500/A1200 VER*	N/A	17.95
CANNON FODDER*	TBA	TBA
CAPTIVE 2*	N/A	19.95
CASTLES 2* A1200 ONLY	N/A	24.95
CHAMPIONSHIP MANAGER '93 1 MEG	17.95	17.95
CHAMPIONSHIP MANAGER '94 DATA DISK	*8.95	8.95
CHAOS ENGINE 1 MEG	17.95	17.95
CHAOS ENGINE A1200	N/A	18.95
CHESS CHAMPION 2175	13.99	13.99
CIVILISATION 1 MEG	23.55	23.55
CIVILISATION A1200 VERSION	N/A	24.99
COMBAT AIR PATROL	*19.95	19.95
COMBAT CLASSICS 2	N/A	20.99
DAILY DOUBLE HORSE RACING	N/A	9.99
DESERT STRIKE	N/A	20.95
DARKSEED	N/A	24.95
DEEPCORE	N/A	17.99
DIGGERS A1200 ONLY	N/A	24.95
DISPOSABLE HERO	N/A	17.95
DOGFIGHT	24.95	24.95
DOMINIUM*	N/A	20.95
DONK	N/A	18.99
DRACULA*	N/A	19.95
DUNE 2	N/A	19.95
ELITE 2 (FRONTIER)	20.95	20.95
EUROPEAN CHAMPIONS	N/A	17.95
F117A*	TBA	24.99
FALCON 3*	24.95	24.95
FIELDS OF GLORY*	N/A	24.95
FLASHBACK (ANOTHER WORLD 2)	N/A	19.95
G2*	N/A	TBA
GEAR WORKS*	N/A	16.99
GLOBAL GLADIATORS	N/A	17.95
GLOBDULE*	N/A	TBA
GOAL	*14.95	14.95
GOBLINS 3*	N/A	24.99
GOOCHES WORLD CLASS CRICKET 1 MEG	19.95	19.95
GOOCHES SECOND INNINGS DATA DISK*	14.99	14.99
GUNSHIP 2000	*23.95	23.95
HARPOON VERSION 2 WITH BATTLE SET 2	N/A	22.95
HARPOON BATTLE SET 4	N/A	11.95
HARPOON EDITOR (NOT PLUS)	N/A	13.95
HEROQUEST 2*	17.95	17.95
HIRED GUNS	N/A	24.95
HISTORYLINE 1914-1918	N/A	24.95
INDIANA JONES FATE OF ATLANTIS ADV	N/A	25.95
INDIANA JONES FATE OF ATLANTIS ARCADE	17.95	17.95
INTERNATIONAL SPORTS CHALLENGE	19.95	19.95
ISHAR 2 A500/A1200	20.95	20.95
JACK THE RIPPER*	TBA	TBA
JAMES POND 2 A1200 VER	N/A	17.95
JOHN MADDENS AMERICAN FOOTBALL	N/A	17.95
JURASSIC PARK A500*	N/A	17.99
JURASSIC PARK A1200*	N/A	18.99
KAWASSAKI TEAM GREEN*	17.95	17.95
KING MAKER*	19.95	19.95
KNIGHTS OF THE SKY	15.99	15.99
KRUSTY'S SUPER FUNHOUSE*	N/A	18.95
LAMBOURGHINI USA CHALLENGE*	N/A	17.95
LASER SQUAD 2*	17.95	17.95
LEGEND OF VALOUR	N/A	25.55
LETHAL XCESS*	17.95	17.95
LEMMINGS XMAS SPECIAL*	N/A	9.99
LEMMINGS DOUBLE PACK SPECIAL	21.95	21.95
LEMMINGS 2 THE TRIBES 1 MEG	20.95	20.95
LINKS CHALLENGE GOLF (2 DRIVES REQUIRED)	N/A	15.99
LORD OF THE RINGS 2*	N/A	19.95
LOST TREASURES OF INFOCOM TEXT ONLY	N/A	22.50
LOST VIKINGS	N/A	20.95
LOTUS 3 THE ULTIMATE CHALLENGE	17.95	17.95
MAGIC BOY	17.95	17.95
MEAN ARENAS*	N/A	17.95
MICROMACHINES*	N/A	17.95
MICROPROSE GRAND PRIX	23.95	23.95
MICROPROSE GOLF	N/A	15.99
MONKEY ISLAND	15.99	15.99
MONKEY ISLAND 2 1 MEG	N/A	23.95
MONOPOLY*	N/A	18.95
MORPH A1200 VERSION	N/A	19.95
MORTAL KOMBAT*	N/A	20.99
NICK FALDOS CHAMP GOLF	*24.95	24.95
NICKY 2	*17.95	17.95
NIGEL MANSELLS A500 OR A1200 VERSION	19.95	19.95
NIGHTSHIFT	11.99	11.99
ONE STEP BEYOND	14.95	14.95
OVERDRIVE	N/A	17.95
OVERKILL AGA ONLY	N/A	17.95
PGA TOUR GOLF + DATA DISK	N/A	20.95
PGA TOUR DATA DISK	N/A	12.95
PATRISION	23.95	23.95
PINBALL DREAMS	N/A	16.95
PINBALL FANTASIES	N/A	20.95
PINBALL FANTASIES A1200	N/A	20.95
PINBALL DOUBLE PACK DREAMS/FANTASIES	N/A	29.99
PIRACY*	N/A	19.95
PERFECT GENERAL	N/A	23.95
PERFECT GENERAL DATA DISK	N/A	16.95
PREMIER MANAGER 1 MEG	17.95	17.95
PREMIER MANAGER 2 1 MEG	*17.95	17.95
PRIME MOVER	N/A	19.95
PROPHECY*	19.95	19.95
RAGNAROK*	24.95	24.95
RAILROAD TYCOON	NLA	15.99
RALLY*	N/A	20.99
REACH FOR THE SKIES	20.95	20.95
RISE OF THE ROBOTS* A1200 ONLY	N/A	TBA
ROBIN HOOD	11.99	11.99
ROBOCOP 3	17.95	17.95
RULES OF ENGAGEMENT 2	N/A	29.99
SCRABBLE NEW	*18.95	18.95
SECOND SAMURAI*	N/A	TBA
SENSIBLE SOCCER 92/93 ISSUE 2	17.95	17.95
SEVENTH SWORD OF MENDOR*	N/A	17.95
SILENT SERVICE 2	N/A	15.99
SIM EARTH	N/A	24.95
SIM CITY/POPULOUS	20.95	20.95
SIM CITY DELUXE	N/A	25.95
SIM LIFE A500 OR A1200 VERSION	N/A	24.95
SIMON THE SORCERER*	N/A	25.99
SIMPSONS BART VS WORLD	17.99	17.99
SLEEPWALKER 1200 VER	N/A	20.55
SOCCER KID	TBA	18.95
SPACE HULK	N/A	24.99
SPORTS MASTERS (COMP)	N/A	20.95
STAR TREK 25TH ANNIVERSARY A1200 ONLY*	N/A	24.99
STRIKE FLEET	13.95	13.95
SUPER CAULDRON	17.95	17.95
SUPERFROG	N/A	16.95
SUPER SPORT CHALLENGE*	TBA	17.95
SUPER TETRIS	N/A	19.95
SUPER HERO*	20.95	20.95
SYNDICATE	N/A	24.95
SYNDICATE DATA DISK*	N/A	TBA
TFX *	N/A	24.99
TERMINATOR 2 ARCADE*	N/A	TBA
THE HUMANS 2*	N/A	TBA
THEATRE OF DEATH	TBA	19.95
THOMAS TANK ENGINE 2	11.99	11.99
TORNADO*	24.99	24.99
TREBLE CHAMPIONS 2	11.99	11.99
TROLLS A1200 VERSION	N/A	17.95
TURRICAN 3 A1200*	N/A	18.95
TURRICAN 3 A500*	N/A	17.95
URIDIUM 2	TBA	17.99
UTOPIA 2*	TBA	17.99
VIKINGS FIELD OF CONQUEST	N/A	18.95
WALKER	N/A	20.95
WAR IN THE GULF	24.95	24.95
WHEN TWO WORLDS WAR	N/A	26.99
WOODYS WORLD	TBA	17.95
WORLDS OF LEGEND (LEGEND 2)	TBA	17.95
YOI JOE	N/A	17.95
ZOOL 1MEG A500 OR A1200 VERSION	17.95	17.95
ZOOL 2 A1200*	N/A	17.95
ZOOL 2 A500/600*	TBA	17.95

*PLEASE NOTE; TITLES ASTERISKED MAY NOT BE RELEASED AT PRESS DATE BUT WILL BE DESPATCHED WITHIN 24 HOURS OF RELEASE SUBJECT TO AVAILABILITY. PLEASE TELEPHONE TO CHECK. PLEASE TELEPHONE FOR ANY TITLES NOT SHOWN AS WE CANNOT SHOW ALL TITLES AVAILABLE. ALL TITLES CAN BE PUT ON BACK ORDER. REMEMBER, WE HAVE NEVER DEBITED A CREDIT CARD YET FOR GOODS NOT SENT.

CHRISTMAS ORDERS; PLEASE NOTE THAT AT THIS TIME OF YEAR WE ARE VERY BUSY. WE WILL AS IN OTHER YEARS BE DESPATCHING GOODS RIGHT UP TO THE LAST DAY, BUT TO AVOID DISAPPOINTMENT WE WOULD ADVISE YOU NOT TO ORDER TOO LATE. WE WILL DO OUR VERY BEST TO MEET ALL YOUR ORDERS.

CD 32 NOW AVAILABLE - PLEASE RING

PC AND SEGA GAMES ALSO SUPPLIED

"MERRY CHRISTMAS"

HARDWARE

THE BUG	12.99
CRUISER (BLACK) OR PUKE	9.99
CRUISER AUTO FIRE NEW	12.99
NAVIGATOR	12.50
SPEEDKING AUTOFIRE	9.50
ZIP STICK SUPER PRO	12.50
FREE WHEEL STEERING WHEEL DIGI	25.99
FREE WHEEL STEERING WHEEL ANA	35.99
SPEEDKING ANALOGUE AMIGA	12.99
QUICKSHOT INTRUDER 1	22.99
QUICKSHOT MAVERICK 1M GOOD CONTROLLER	12.99
QUICKSHOT MAVERICK 3 MEGA DRIVE	13.99
QUICKJOY TOPSTAR SV127 TOP RATE	20.50
QUICKJOY FOOTPEDAL	20.99
MANTA RAY AUTO FIRE GOOD HANDHELD	9.50
MOUSE ST/AMIGA GOOD REPLACEMENT	13.99
MOUSE DATALUX CLEAR ST/AMIGA	21.99
1 MEG UPGRADE AMIGA 600	49.98
1 MEG UPGRADE AMIGA 500+	46.99
512K UPGRADE A500 WITH CLOCK	26.99
512K UPGRADE A500 NO CLOCK	23.99
80 CAPACITY DISK BOX	9.50
DUST COVER 8833 MK 1&2 MONITOR	6.99
DUST COVER AMIGA 500 OR 600 OR 1200	4.99
GREAT CARRIER CASE FOR LAPTOPS, A600 SEGA NINTENDO ECT	24.99
ZYDECK SPEAKERS 8 WATT RMS	39.99
LEAD AMIGA TO ESCART TV	8.99
LEAD TWIN EXT J/STICK / MOUSE	8.99
LEAD EXT J/STICK OR MOUSE	6.99
LEAD AMIGA TO PHILIPS MK2	8.99
LEAD NULL MODEM FOR HEAD TO HEADS	8.99

PLEASE NOTE £1.00 P&P ON ALL JOYSTICKS

RUBY BUDGET

	ST	AMIGA
ALIEN BREED 92	N/A	9.95
ARNIE	N/A	5.99
ARNIE 2	N/A	8.99
ARCADE FRUIT MACHINE SIM	5.99	5.99
ARCADE TRIVIA	5.99	5.99
APACHE*	7.99	7.99
AWESOME	10.99	10.99
BARBARIAN 2*	9.99	10.99
BATTLECHESS 1	8.99	8.99
BATTLEHAWKS 1942	N/A	10.99
BATTLE SQUADRON	N/A	5.99
BEAST 2*	9.99	10.99
BEAST 3*	N/A	10.99
BILLS TOMATO GAME	N/A	10.99
BLINKYS SCARY SCHOOL	5.99	5.99
BRIDES OF DRACULA	5.99	5.99
BUDOKAN	N/A	9.99
BULLY SPORTING DARTS	5.99	5.99
CRYSTAL OF ARBOREA	NLA	7.99
DAILY DOUBLE HORSE RACING	N/A	9.99
DIZZY YOLKFOLK	5.99	5.99
DOC CROCS OUTRAGEOUS ADVENTURES	6.99	6.99
EDD THE DUCK	5.99	5.99
F1 TORNADO	5.99	5.99
F15 STRIKE EAGLE 2	14.99	14.99
F16 COMBAT PILOT	7.99	7.99
F17 CHALLENGE	N/A	10.99
F19 STEALTH FIGHTER	14.99	14.99
FACE OFF ICE HOCKEY	7.99	7.99
FALCON	11.99	11.99
FALCON COUNTER STRIKE	N/A	7.99
FALCON FIRE FIGHT	7.99	7.99
FRANKENSTEIN	5.99	5.99
FUN SCHOOL 2 UNDER 6	5.99	5.99
FUN SCHOOL 2 6-8 YEARS	5.99	5.99
FUN SCHOOL 2 8+ YEARS	5.99	5.99
GAZZA 2*	7.99	7.99
GRAEME SOUNESS SOCCER MANAGER	5.99	5.99
GRAEME SOUNESS VECTOR SOCCER	5.99	5.99
HARD DRIVIN 2	7.99	7.99
HEAD OVER HEELS	5.99	5.99
HERO QUEST	7.99	7.99
HILL STREET BLUES	NLA	7.99
INDIANA JONES LAST CRUSADE ARCADE	5.99	5.99
INDY JONES LAST CRUSADE ADVEN	11.99	11.99
INTERNATIONAL ICE HOCKEY	5.99	5.99
INTERNATIONAL TRUCK RACING	6.99	6.99
JAMES POND 2 ROBOCOD	7.99	7.99
JOCKEY WILSON'S DARTS	5.99	5.99
KENNY DALGLISH SOCCER MANAGER	5.99	5.99
LOOM	12.99	12.99
M1 TANK PLATOON	11.99	11.99
MIG 29 FULCRUM	10.99	10.99
MAGICLAND DIZZY	6.99	6.99
MANIAC MANSIONS	10.99	10.99
MANCHESTER UNITED EUROPE	7.99	7.99
MEAN 18 GOLF	N/A	7.99
MEGA TWINS	7.99	7.99
METAL MUTANT	7.99	7.99
MIDWINTER	10.99	10.99
MIDWINTER 2	14.99	14.99
NEIGHBOURS	5.99	5.99
OPERATION HARRIER	7.99	7.99
OPERATION STEALTH	11.99	11.99
PICTIONARY	5.99	5.99
PIRATES	10.99	10.99
POPULOUS & PROMISED LANDS	11.99	11.99
PRINCE OF PERSIA	6.99	6.99
PROJECT X	N/A	9.99
RAINBOW ISLANDS	5.99	5.99
RBI 2	5.99	5.99
SANTAS XMAS CAPERS	N/A	5.99
SHARKEY'S MOLL	5.99	5.99
SILLY PUTTY	N/A	7.99
SIMPSONS	7.99	7.99
SECRET OF MONKEY ISLAND	15.99	15.99
SPACE CRUSADE	8.99	8.99
STACKUP	5.99	5.99
STARBLADE	7.99	7.99
STRIKE FLEET	10.99	10.99
STORM MASTER	10.99	10.99
SUPER CARS 2	7.99	7.99
SUPER SPACE INVADERS	7.99	7.99
SWITCHBLADE 2	7.99	7.99
SWORD OF SODAN	N/A	7.99
TENNIS CUP 2	7.99	7.99
THE PLAGUE	N/A	5.99
TRIVIAL PURSUIT	6.99	6.99
UTOPIA	7.99	7.99
WORLD RUGBY	5.99	5.99
WORLD SOCCER	6.99	6.99
ZAC MCKRACKEN	10.99	10.99

SPECIAL......
"CHECK OUT OUR PRICES ON BUDGET TITLES" - CHEAPEST AROUND !

COMPILATIONS

FOOTBALL CRAZY CHALLENGE
KICK OFF 2, PLAYER MANAGER, THE FINAL WHISTLE AND WORLD CUP 90
OUR PRICE **ONLY £10.99**
ST AND AMIGA

SPORTS MASTER
PGA TOUR GOLF, INDY 500, EUROPEAN CHAMPIONSHIP 1992 AND ADVANTAGE TENNIS.
A FANTASTIC COLLECTION AMIGA ONLY, NICE ONE FOR 1200 **ONLY £20.95**

SOCCER MANIA
FOOTBALL MANAGER 2, GAZZAS SOCCER, MICROPROSE SOCCER AND FOOTBALL MANAGER 2 WORLD CUP EDITION
AMIGA 500 1.2 1.3 NOT PLUS. MAY WORK ON SOME MACHINES WITH KS 1.3
OUR PRICE ALL FOUR GAMES
ONLY £10.95

THE GREATEST
PROBABLY THE BEST PACK EVER!!
JIMMY WHITES SNOOKER, LURE OF THE TEMPTRESS AND DUNE AMIGA/ST VERSION SHUTTLE
GREAT PRICE £22.99
NOW ALL TITLES WORK ON 1200 !!!

ANIMATION CLASSICS
DRAGONS LAIR 2, SPACE ACE AND WRAITH OF THE DEMON
SUPERB ANIMATION
AMIGA ONLY RRP £44.99 OUR PRICE £28.99

TRIPLE PACK 1
DEUTROUS, BATTLE VALLEY AND HAMMERBOY
ONLY £10.99 AMIGA ONLY + OK
FIRST TIME THAT DEUTROUS HAS WORKED ON THE AMIGA + !!

TRIPLE PACK 2
HUNTER, SECONDS OUT BOXING AND LANCASTER
ONLY £10.99 AMIGA ONLY + OK

TRIPLE PACK 3
TITUS THE FOX, GHOSTBUSTERS 2 AND TARGHAN
AMIGA ONLY £10.99 + OK

TRIPLE PACK 4
THE BLUES BROTHERS, MAYA AND SATAN
AMIGA ONLY £10.99 + OK

TRIPLE PACK 5
CRAZY CARS 3, GRAND PRIX MASTER AND BATTLETECH
AMIGA ONLY £10.99 + OK

SPACE LEGENDS
ELITE, WING COMMANDER 1 AND MEGA TRAVELLER
AMIGA ONLY £20.99

FANTASTIC WORLDS
REALMS, PIRATES, WONDERLAND, POPULOUS 1 AND MEGALOMANIA
GREAT COMP FOR **ONLY £23.95**
AMIGA ONLY

SUPER FIGHTER
FINAL FIGHT, WWF WRESTLEMANIA AND PITFIGHTER.
THREE AMAZING GAMES **ONLY £17.95**

BIG BOX 2
BACK TO THE FUTURE 3, THE REAL GHOSTBUSTERS, R TYPE, SINBAD, IK+, ARMALYTE, TV SPORTS FOOTBALL, BOMBUZAL, DEF OF THE EARTH AND SHANGHAI
BIG COMPILATION FOR **ONLY £19.95**
GREAT VALUE AMIGA ONLY

THE DIZZY COLLECTION
FAST FOOD, KWIX SNAX, FANTASY WORLD DIZZY, TREASURE ISLAND DIZZY, MAGIC LAND DIZZY.
FIVE GOOD GAMES **ONLY £16.95**
AMIGA ONLY

DIZZY EXCELLENT ADVENTURES
DIZZY PRINCE OF THE YOLKFOLK, SPELLBOUND DIZZY, BUBBLE DIZZY, PANK DIZZY, QUICK SNAX.
GOOD FOR THE YOUNGER ONES **ONLY £16.95**
AMIGA ONLY

10 INTELLIGENT STRAT GAMES
CHESS, OTHELLO, GOMGKU, DRAUGHTS, GO, BACKGAMMON, BRIDGE, RENJU, 4 IN LINE AND CHINESE CHESS.
OUR PRICE ONLY £20.99

RUBY SERIOUS/EDUCATIONAL

	ST	AMIGA
ADI ENGLISH 11/12-12/13-13/14-14/15 EA	17.50	17.50
ADI MATHS 11/12-12/13-13/14-14/15 EA	17.50	17.50
ADI JUNIOR READING 4/5-6/7 EA	N/A	14.99
ADI JUNIOR COUNTING 4/5-6/7 EA	N/A	14.99
ADI FRENCH 11/12-12/13-13/14-14/15 EA	17.50	17.50
EASY AMOS	N/A	24.95
AMOS PRO COMPILER	N/A	24.99
AMOS PRO "NEW PRICE"	N/A	32.99
DELUXE PAINT 4	N/A	64.95
DELUXE PAINT 4 AA 1200 VERSION	N/A	64.95
DINOSAURS 1032 FACTS 600 QUESTIONS 96 BEASTS*		20.95
DRIVING TEST* 10/10 SOFTWARE	N/A	20.95
FINAL COPY 2	N/A	89.95
FRENCH 10/10 SOFTWARE*	N/A	20.95
FUN SCHOOL 4 (UNDER 5)	16.95	16.95
FUN SCHOOL 4 (5-7)	16.95	16.95
FUN SCHOOL 4 (7-11)	16.95	16.95
FUN SCHOOL SPECIAL PAINT AND CREATE 5-11	N/A	17.95
FUN SCHOOL SPECIAL SPELLING FAIR 7-13	N/A	17.95
FUN SCHOOL SPECIAL MERLINS MATHS 7-11	N/A	17.95
HOME OFFICE DELUXE INC KINDWORDS 3	N/A	64.99
JUNIOR ESSENTIALS EARLY LEARNING *10/10	N/A	20.95
KIX PIX	N/A	17.95
KOSMOS THE FRENCH MISTRESS ALL AGES	14.99	14.99
KOSMOS THE GERMAN MASTER ALL AGES	14.99	14.99
KOSMOS THE SPANISH TUTOR ALL AGES	14.99	14.99
KOSMOS THE ITALIAN TUTOR ALL AGES	14.99	14.99
KOSMOS MATHS ADVENTURE AGES 6/11	17.99	17.99
MAVIS BEACON VERSION 2 ALL AGES	N/A	19.95
MINI OFFICE	N/A	48.95
NODDYS PLAYTIME 3+	17.95	17.95
OFFICE GOLD (UK) V3 AGA	N/A	49.95
SCALA 500	N/A	74.95
SCALA PRO	N/A	179.95
STATISTICS *10/10 SOFTWARE	N/A	20.95

CREDIT CARDS DEBITED ONLY ON DAY OF DESPATCH.

Please charge my Access/Visa No:.................................... Valid from: ....Expiry date..............................

ORDER FORM
Please supply me with the following for
Computer.......................................

Titles	Price
P&P	
TOTAL	

Date ....
Name ....
Address..
....
....
.......................Postcode.................
Tel ....

Business hours
10am - 5pm
Monday to Saturday
After hours + Sundays
Ansaphone order hotline:
071 381 8998

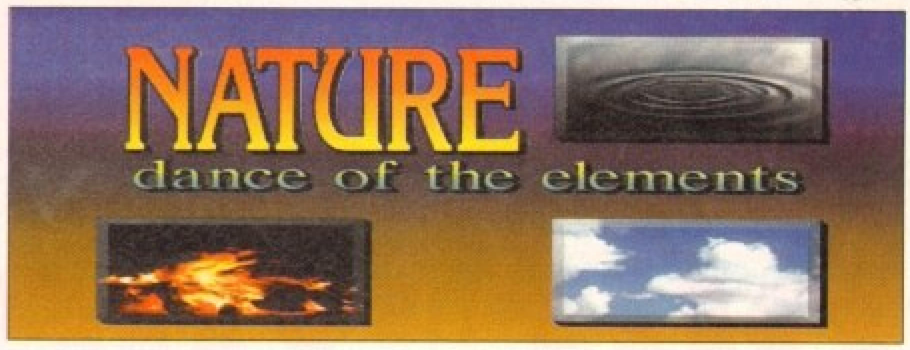
NEXT DAY GUARANTEED DELIVERY AVAILABLE. CHECK PRICE WHEN ORDERING.

Please make cheques & PO payable to **RUBYSOFT (UK) LTD.**
Credit card orders cashed only on despatch.
(Please note we do not make any charge for credit card orders). Please add £1.00 p&p per item 75p per item under £10.00 All joysticks £1.00 P&P each, £3.75 per item for all Europe, and all other countries £4.75 per item BFPO please add £1.50 per item.. All prices subject to change or manufacturers price reviews without notice. E&OE. Please note mail order companies may take up to 28 days to deliver goods from receipt of orders, However goods normally despatched within 2 days.
Please allow for cheque clearance.
(Dept AMC JAN 94)

EXPORT ORDERS WELCOME

Smooth talker

Stevie Kennedy wipes and fades with Montage 24, the latest high quality TV graphics package



Mix text, backdrops,and brushes with ease

InnoVision aren't new to the business of TV graphics, and their groundbreaking Broadcast Titler package has for long been a standard of excellence in terms of its high quality fonts and smooth anti-aliasing. Now the company have moved from the purely titling arena into TV graphics proper with the release of Montage 24, a program designed to produce not only text titling, but 24-bit backdrops and transition effects.

Montage is a sizeable package supplied on six disks and comprising the main program itself, some tutorial data, and eight anti-aliased fonts. The latter use a proprietary format and are the only typefaces available for use in Montage, though a range of font packs will be offered as back-up and a module should soon be released making it possible for users to treat PostScript fonts as Montage fonts.

A disadvantage of this approach is that the user is dependent on future releases by InnoVision, but the advantages outweigh this. With the carefully optimised typefaces supplied as standard it is possible to carry out a wide range of sophisticated operations on your text.

SUPERB

Text can be scaled in any way, coloured using smooth gradients, given a variable amount of soft or sharp shadow, embossed, bevelled, or even re-kerned, all with superb anti-aliasing. There can be no excuses for shoddy presentation text when you're using this package, as over half the available functions are dedicated to controlling the use of high quality verbage.

All operations are carried out using the friendly "big button" interface used on most video and TV software packages these days. Everything hides behind nice easy buttons on clear, uncluttered panels, and the main areas of interest are sensibly separated into screens of their own.

The beginner should therefore have few problems with Montage, and the well written, concise 130-page manual could easily find itself back on the shelf inside ten minutes. Part of the reason for this is the program's relatively simple purpose in life, which is purely to produce text on a backdrop, but the designers should also take credit for keeping things as straightforward as possible.

Montage will run on either an AGA Amiga or a machine equipped with the OpalVision or IV24 cards, and works best when teamed up with OpalVision. In this configuration, Montage can utilise full 24-bit graphics and a full complement of 20 transitions, 13 of which work with AGA and only two with IV24. On a standard A4000, Montage is comfortable enough, if fussy about the system setup. All Workbench overscan settings must be reset to default and mode promotion must be turned off or the program won't run properly. This is a pain when used on a machine which has a multi-purpose role and therefore a multitude of overscan and monitor settings, but shouldn't be a problem if Montage is being used in a purely video environment.

When first used, Montage can have a strange initial impression as all pages in a sequence are set up on a HAM preview screen which only roughly represents the finished image, then rendered as either 24-bit or super hi-res Ham8. Finished images once rendering is complete are superb and quickly dispel any doubts brought on by the HAM preview which, to be fair, is designed to make production as quick as possible. When working in 24-bit it can be more than a little memory and time consuming to throw chunks of picture data around, so by demanding that everything takes place in HAM before final rendering, Montage avoids long waits during production.

Unfortunately, the same cannot be said about rendering or the final playback of complete sequences. Rendering each page can take a while, particularly if the page includes a lot of text which has been coloured, scaled, and so on.

As each page can be a fairly monstrous 24-bit file, Montage loads each from disk as it plays them back, which means that in addition to the rendering delay there is a relatively slow rate of playback.

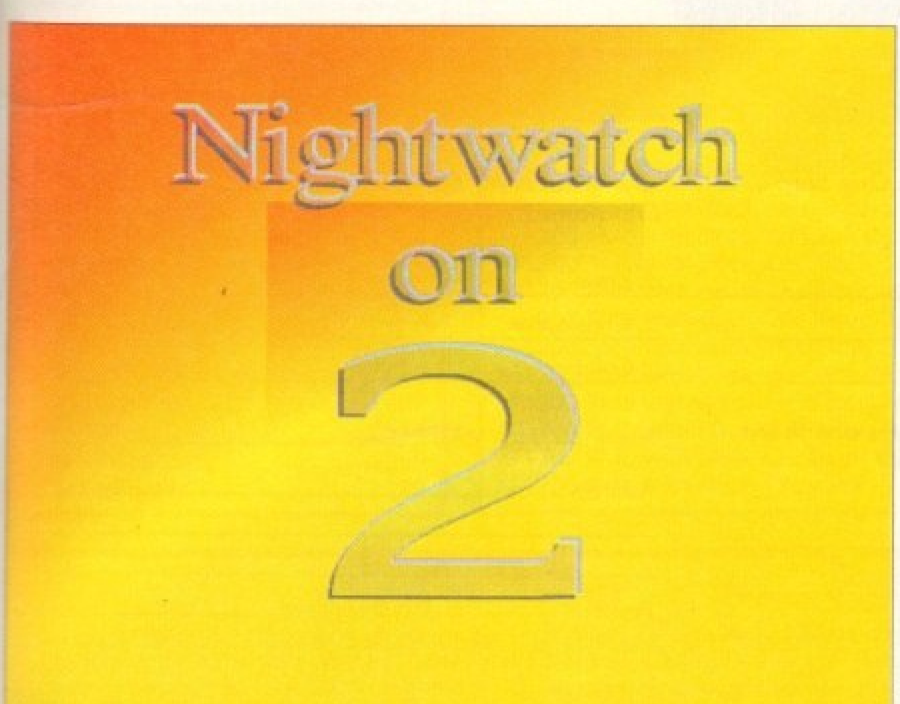
For example, an average page might take seven seconds or so to load and be displayed using a page transition effect, a delay which though perfectly acceptable for many purposes would restrict many videographers. Montage partly makes up for this with a couple of tricks in the triggering department.

Pages may be set to display immediately upon loading, which is fine for looping information displays, but the user can also set a timed transition or choose to use the General Purpose Interface (GPI) trigger. This is a method by which Montage can be triggered to go to the next page by a GPI switch connected to a VCR, making possible the use of Montage pages genlocked over live video action.

The inclusion of this sort of triggering gives Montage an outlet in the multimedia point-of-sale world as well as opening up many more dramatic uses during presentation, and with its top notch results, easy operating environment, and decent transition effects it should do well as a dedicated graphics package.

With the reservations that speed of playback could be improved and the fact that Montage grabs hold of the system and refuses to multitask, it is difficult not to recommend this program to the videographer in search of broadcast-quality graphics.

As a dedicated system, it is perhaps not ideal for the home video enthusiast, but if the question "how can I title my video to a higher quality?" is put, Montage 24 might well be the answer.



Montage can produce top quality TV graphics

SYSTEM ESSENTIALS
RED = Essential YELLOW = Recommended

Hard drive | 2 Mb RAM | Accelerator

The bottom line

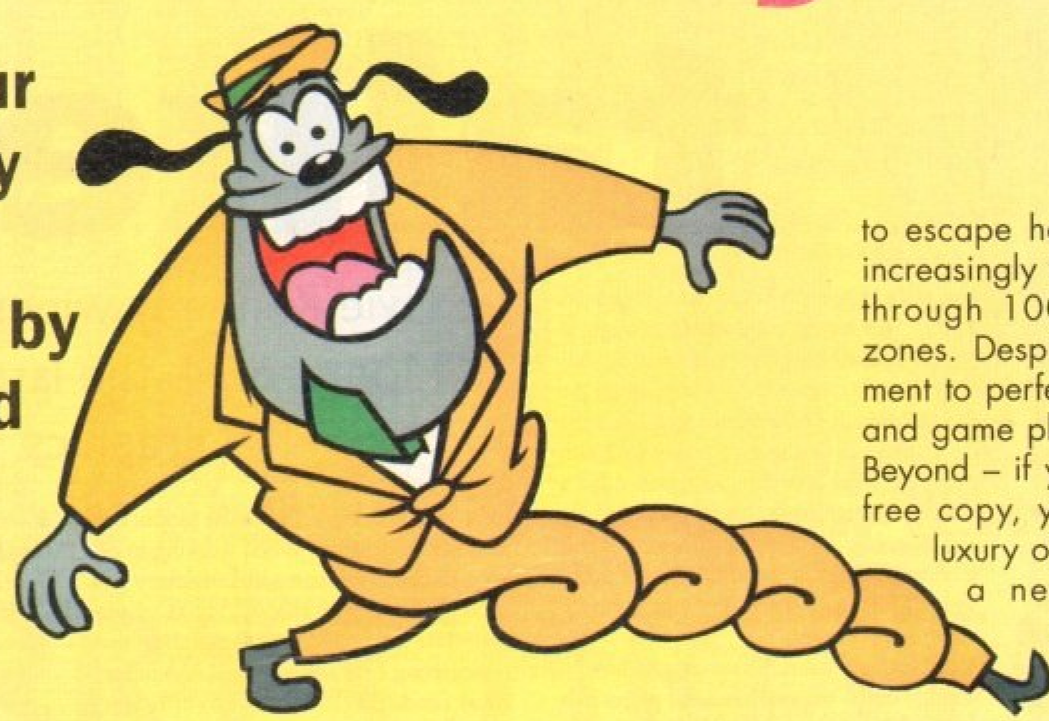
Product: Montage 24
Supplier: Meridian Distribution
Price: £329
Tel: 081-543 3500

Ease of use 9
Implementation 8
Value for money 7
Overall 8

Watch out, they taste curly!

£300 worth of games to be won

Here's your opportunity to be entertained by the one and only Colin Curly



As well as ten copies of the original Pushover, we've got five copies of One Step Beyond (one of the latest releases from Ocean Software) to give away free to the best five entries in this month's competition.

One Step Beyond took almost a year to develop. Colin Curly, one stormy night, finds himself sucked into his computer while eating his Quavers. In order to escape he has to solve a series of increasingly baffling puzzles taking him through 100 levels and ten Quaver zones. Despite the considerable investment to perfect the animation, graphics and game play that make up One Step Beyond – if you don't manage to win a free copy, you can have the unusual luxury of a reduction in the price of a new release – One Step beyond costs only £19.95.

"If you are looking for a game that is enjoyable to play, but will make you think a bit in the process, you can't go wrong with this."

Amiga Action, September 1993

ENTRY FORM

There are ten copies of Pushover and five copies of One Step Beyond just waiting to be won. To enter all you have to do is answer these simple questions and send this form to: Colin Curly, Amiga Computing Competition, Europress Direct, PO Box 2, Ellesmere Port, South Wirral L65 3EA

***1.** How much does One Step Beyond retail at?*

a. £25.95

b. £19.95

c. £29.95

***2.** How many levels are there in One Step Beyond?*

a. 75

b. 50

c. 100

***3.** What is Mr Curly's first name?*

a. Kevin

b. Christopher

c. Colin

☐ *Tick this box if you do not wish to receive promotional material from other companies*

Name (Mr/Mrs/Miss) ________

Address ________

Postcode ________ Daytime phone ________

The closing date is January 31. The prize winner will be drawn from all the correct entries received and will be informed in writing within two months of the closing date. Result information may be obtained by writing to our offices. No cash alternative to the prize is available. The editor's decision is final. No correspondence will be entered into.

GASTEINER

Tel: 081 345 6000
Fax: 081 345 6868

126 Fore Street, Upper Edmonton, London N18 2AX

ERGONOMIC DESIGN TRACKBALL SERIES

One colour £29.99
Two colour £34.99



MONITORS

Philips 8833	£199
Commodore 1940	£289
Commodore 1942	£379
Microvitec Club Scan	POA
Microvitec 20"	£1049

PRINTERS

Citizen Swift 200	£200
Citizen Swift 240 Mono	£270
Citizen Swift 240 Colour	£295
Citizen Swift 24X	£340
Citizen 120D+	£129
Citizen Swift 90 Mono	£165
Citizen Swift 90 Colour	£188
Citizen PN48 Notebook Printer	£225
Citizen Projet Inkjet	£318

HEWLETT PACKARD

HP Deskjet Portable	£369
HP 510 Mono	£264
HP 500 Colour	£319
HP 550 Colour	£519

STAR

Star LC 20	£132
Star LC 100 Colour	£155
Star LC 200 Colour	£195
Star LC 24-20 Mk II	£224
Star LC 24-200 Col	£264
Star SJ48 Bubblejet	£217
Star SJ48 Auto Sheetfeeder	£49
HB310 Free Sheetfeeder	£250

LASER PRINTERS

Fujitsu VM 600 Laser	£679
HP Laserjet 4L	£609
OKI 400e	£514
Ricoh PCL5	£809
Star Laserjet LC5	£589

AMIGA CD32



£279

A1200 + A600 HARD DRIVES

20Mb	£69
30Mb	£89
40Mb	£119
60Mb	£169
85Mb	£199
120Mb	£239
207Mb	£329

All with IDE cables

CDTV ADD-ON

For A500, A500+, A570 ....£129

ROMBO DIGITISERS

VIDI 12 Real Time	£134.99
VIDI 24 Real Time	£219.99
VIDI 12 AGA	£75.00
Take 2	£38.00
Megamix Master	£30.00

AMIGA A1200

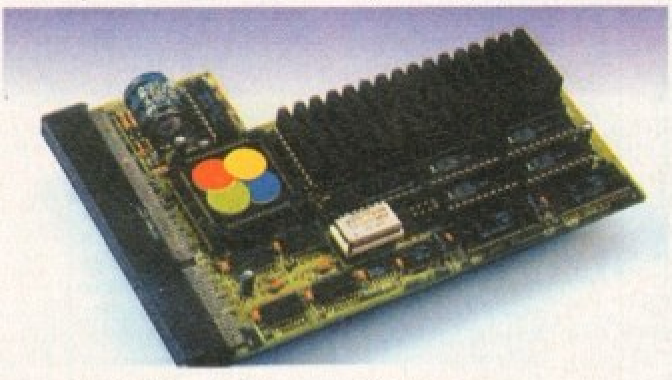
2Mb RAM 20Mb HD	£359
2Mb RAM 64Mb HD	£429
2Mb RAM 85Mb HD	£479
2Mb RAM 127Mb HD	£509
2Mb RAM 209Mb HD	£579
2Mb RAM only	£289

ACCESSORIES

Pen mouse for Amiga with optical pad	£34.95
Pen mouse for PCs with optical pad	£34.95
Optical mouse, 300 dpi for Amiga	£29.95
Infrared mouse, 300 dpi for PCs	£49.95
Infrared mouse, 300 dpi for Amiga	£49.95
Opto-mech mouse for PCs with pad & holder	£18.95
Opto-mech mouse for Amiga w.pad & holder	£14.95
Opto-mech low cost mouse for Amiga	£8.00
Opto-mech low cost mouse for PCs	£10.00
3-button trackball for Amiga	£29.99
"Cristal" trackball for Amiga	£34.99
3-button trackball for PCs	£34.99
512Kb RAM expansion for A500+	£16.99
1Mb RAM expansion for A500+	£19.95
External 3.5" floppy drive	£50.00
Kickstart switch for A500, A2000	£14.95
Kickstart switch for A600	£29.95
Electronic boot selector	£14.95
Auto mouse/joystick switch	£10.99
Dust covers	£6.00

MEMORY MASTER 1200

Internal RAM expansion with clock for Amiga 1200, populated with 1, 5 or 9Mb



AF1200 1Mb with clock, no Oscillator, no FPU Processor	£99
AF1200 4Mb with clock, no Oscillator, no FPU Processor	£199
AF1200 5Mb with clock, Oscillator, 16MHz 68882 FPU	£285
AF1200 5Mb with clock, Oscillator, 20MHz 68882 FPU	£290
AF1200 5Mb with clock, Oscillator, 25MHz 68882 FPU	£295
AF1200 5Mb with clock, Oscillator, 33MHz 68882 FPU	£299
AF1200 8Mb with clock, no Oscillator, no FPU Processor	£359
AF1200 9Mb with clock, Oscillator, 16MHz 68882 FPU	£415
AF1200 9Mb with clock, Oscillator, 20MHz 68882 FPU	£420
AF1200 9Mb with clock, Oscillator, 25MHz 68882 FPU	£429
AF1200 9Mb with clock, Oscillator, 33MHz 68882 FPU	£439

AMIGA 4000 (25MHz 68030)

2Mb RAM 80Mb HD	£949
4Mb RAM 120Mb HD	£1069
4Mb RAM 214Mb HD	£1169
4Mb RAM 245Mb HD	£1269
4Mb RAM 340Mb HD	£1369
4Mb RAM 540Mb HD	£1669

AMIGA 4000 (25MHz 68040)

6Mb RAM 80Mb HD	£1919
6Mb RAM 120Mb HD	£2069
6Mb RAM 214Mb HD	£2169
6Mb RAM 245Mb HD	£2269
6Mb RAM 340Mb HD	£2369
6Mb RAM 540Mb HD	£2669

P.S.U.

Power Supply (High Watt) for A500	£29.95
Power Supply for A1500+ A2000	£69.95

FAX MODEM

Fold a Fax Modem	£129
With Fax Software	£179

AMIGA MEMORY UPGRADE

A500 ½Mb	£14.95
A500 ½Mb + Clock	£23.95
A500 + 1Mb	£21.95
A600 1Mb	£21.95
1Mb SIMM (GVP)	£29.95
4Mb SIMM (GVP)	£149.95
1Mb 72PIN (A4000)	£99.00
4Mb 72PIN (A4000)	POA
PCMCIA 2Mb	£89.00
PCMCIA 4Mb	£149.00

NEW! A1200 RAM

4Mb with Clock, no FPU Processor	£169
4Mb with Clock, 20MHz 68881 FPU	£209
4Mb with Clock, 25MHz 68882 FPU	£269
4Mb with Clock, 33MHz 68882 FPU	£279
4Mb with Clock, 40MHz 68882 FPU	£289
4Mb with Clock, 50MHz 68882 FPU	£309

40MHz ACCELERATOR FOR A1200

0Mb RAM	£299
4Mb RAM	£499

SPECIAL OFFER
A1200 1Mb Upgrade £89
(upgradeable to 8Mb)

How to order

MasterCard VISA

When ordering by telephone please quote your credit card number followed by the expiry date and also your full name and address. If paying by cheque please make it payable to Gasteiner Technology . In any correspondence please quote a phone number and also a postal code, please allow five working days for cheque clearance.

Delivery charges

Small consumables and software items under the value of £59 please add £3.50 P&P. Other items except lasers, next day courier service £10 per box. Offshore and highlands, please call for a quotation. In addition, we offer the following express services:- Saturday delivery normal rate plus £15 per box, Morning, next day normal rate plus £10 per box. E&OE prices subject to change without prior notice, goods are subject to change without prior notice. All trademarks acknowledged.

£1.00 per disk for 15 or more disks

Software Expressions

£1.25 per disk

Introducing some of the best public domain & shareware disks available for the Amiga today. Go on...express yourself!

All disks are compatible for A500/A500+/A600/A1200, except (N) which indicates not compatible for A1200

UTILITIES

U001	A-Gene (1 meg)	Trace your ancestors
U016	Biorhythms (1 meg)	Chart your feelings
U033	Education 1	Learn German
U052	Business Card Maker (N)	Simple, but useful
U092	Cartoon Brushes	Lots of famous characters
U098	Database Master	Comprehensive AMOS database
U123	IQ Tester (N)	How thick are you?
U128	Viz Clip Art	Roger Mony in D Paint
U130	Label Designer	Various label printers
U134	Ami Cash	Best accounts package around
U136	Amibase Prof	Excellent database
U140	Text Engine	Excellent word processor
U142	Super Fonts	Lots of Super Fonts
U147	MOBED V2	Moveable Object Editor
U152	PC Task	Emulates IBM PC programs
U153	File-a-fax	As it sounds
U154	QED	Beginners word processor
U160	Deluxe Paint Tutor	Enhance your knowledge of this
U164	World Databank	Creates maps of the world
U165	A-graph	Creates bar graphs
U175	Text plus VERSION 4	Excellent word processor
U178	(2 Discs) Analitic ALC	(2 Discs) Best spreadsheet available
U179	Calorie Base	Work out your own calorie intake
U180	GCSE Maths	Syllabus taught disk
U185	Astronomy	Calculates positions of planets
U186	S-Movie	Video Text Editor
U190	Shadow demo maker	Create your own demo
U194	Total concepts	Learn about dinosaurs
U195	Home Manager	Create an address book
U203	Term V4 (2 disks)	Communication Disk
U204	Race Rator	For horse racing information
U206	ABC Adventure Creator	Create your own adventure games
U210	Pools Pools Version 2	Work out your winnings
U211	Training Log	Keeping fit
U212	Back Talk	Advise on Commonback Complaints
U214	The Money Programme	Up to 2500 transactions
U217	Mastie Niblick	Golf score recorder
U230	Illinois Labels	Label printer
U231	Audio Animation Studio	Create Cartoons
U232	Cheque Book Accountant	Keep tabs on your expenditure
U233	Engineers Kit	Check you Amiga System
U236	Word Power	Solve crosswords & anagrams
U237	Stock Analyst	Analyses the share market
U238	Font Farm	Variations of fonts available
U239	Dunks DTP	Desktop Publishing for kids
U240	Little Office	Word Processor, Database & Spreadsheet
U242	Budgets 1.34	Accounts Manager
U244	Lockpic V2.0	Uncover copy facilities
U245	Relo Kick V1.4	Latest D Grader for A1200
U241	Winemaker	Database for wine enthusiasts
U243	D-Solve	Crossword – complete with two crosswords

DEMOS

D015	Agatron Star Wars (1 meg/2 disks) (N)	Captivating graphics
D058	Enterprise leaving dock	Famous animation
D075	Girls of sport	Pretty shots of talented girls
D148	The Run (1 meg) (N)	T. Richter's car-chase animation. Good
D162	Stealthy Manoeuvres (1 meg)	Excellent demo
D166	Star Trek Animations	Anims. of USS Enterprise
D177	Star Trek Animations	Agatron no.17 More like above. Good
D225	Reincarnation of Sgt. Pepper (2 disks, 1 meg)	Beatles classic
D261	Red Dwarf (2 disks) (N)	The White Hole
D271	Odyssey (5 disks) (N)	Excellent space adventure animation
D278	Desert Storm	Information on Gulf War
D280	Jesus on 'E's' (2 disks)	Excellent rave music
D281	Dolphin Dreams	Slide show of these lovely creatures
D282	How to skin a cat	Amusing demo

MUSIC

M006	Batdance remix (N)	Really good disk. Catchy stuff
M062	Random Access	Art of Noise and more. Startling acid track
M084	The Wall	Pink Floyd classic
M090	Led Zeppelin	Stairway to Heaven etc.
M093	MC Hammer	You Can't Touch This
M102	No Limit (2 disks)	Catchy tunes

GAMES

G005	All New Star Trek (2 drives)	USS Enterprise classic. Best one
G008	Balloonacy	Drop bombs on city from ballon
G010	Breakout	Classic bat & ball game
G011	Blizzard	Horizontal shoot-'em-up. High quality
G014	Adventure Solutions (2 disks)	Loads of hints of commercial games
G015	Crossfire (1 meg)	Excellent game written in AMOS
G019	Dungeon Delver (2 disks)	Difficult adventure quest
G021	Demolition Mission (1 meg)	Similar to Balloonacy, good fun
G023	Electronic Train Set (1 meg)	Construct own train set
G025	Entrophy	Shoot-em-up
G043	Learn and Play 1 (N)	Good for the kids. Blackboard maths, etc.
G044	Learn & Play 2 (N)	More fun for the kids
G053	Mayhem	Brilliant shoot-'em-up
G065	Pixie Kingdom (2 disks)	Tricky adventure game. Good
G071	Return to Earth (1 meg)	Space adventure
G084	Wet Beaver Tennis (N)	Simple, but good fun bat & ball game
G086	Wraithed One	Good general knowledge quiz
G102	Simulation 1 (1 meg) (N)	Recommended. 5 games including Metro
G109	Wheel of Fortune (N)	TV Quiz, computerized
G124	Napoleonic Warfare	High-quality simulation
G143	Card Shop	Well presented card games
G148	Galactic Food Fight (N)	Blow up those burgers
G149	Raphaels Revenge	Difficult platform adventure
G152	Leaping Larry	Jump onto elevators
G153	Growth (N)	Destroy an expanding brain
G155	Mission X	Quality shoot-'em-up
G157	Quadrix	Difficult puzzle game
G162	Storyland 2 (N)	Create a childrens adventure
G165	Super Skoda Challenge	Car racing game
G170	Amos Criket	'Owzat!
G171	Top Secret (N)	Quality platform game
G175	Whizz Wall	NEW Wizard shooting game
G176	White Knight	NEW Excellent shoot'em up game
G180	Tank Attack (N)	World War 2 Simulation
G204	Super League Manager	Manage your own Soccer team
G207	Flagcatcher	Find the flags. Very addictive
G208	Grand Prix Simulator	Excellent
G209	Games Galore Ten (N)	14 excellent games
G214	Parachute Joust	Try & catch a parachute
G215	Battlements	Hunchback game
G217	Act of War	Excellent strategy game
G218	Roulette	Casino Classic
G219	Space Rescue	Guide Spaceship through Terrain
G220	Sub Attack (N)	Also landmine bomber
G221	Revenge of the mutant camel	Shooting game
G222	Neighbours adventure	(2 discs) Bring Paul Robinson to court
G223	Wizard Wars	Graphics Adventure
G224	Stratigic Games (N)	3 excellent games
G225	Addams Family Quiz	Quiz on cult TV programme
G226	Dual	2 player shooting game
G227	Assassins 24 (N)	4 games including 3D Maze
G230	Assassins 27 (N)	Addictive card games
G231	Assassins 28 (N)	These include Dr.Mario, Invaders 2 & Mad Bomber 2
G240	Assassins 37 (N)	Ghost Ship, Claktris etc
G241	Assassins 38 (N)	1 on 1 baldy & transplant
G243	Tetren	Excellent Tetris clone
G244	Legend Of Lothian	Version 1.02. Adventure
G245	Iron Clads (2 disks)	Graphic adventure
G247	Quiz Master	Quiz which includes Editor
G248	Assassins 40 (N)	10 Puzzle Games
G249	Assassins 41 (N)	includes 3 Games
G250	Atlantis	Excellent Adventure Games
G252	Bombjacky	Rescue the dying planet
G254	Airport (N)	Patrol your own airport
G255	Amos Games	5 Games including Glassback
G256	Slamball	Management game of US football.Type Sport
G257	Relayer	Shareware game. Brand New!
G300	Blob	Shoot 'em up
G301	Sector 1	Excellent game
G302	Micro Market	Stock exchange game
G303	Strike Ball	Amos written baseball type game
G304	Skidmarks	Racing driving game
G306	The Funhouse	3 games including Enigma
G307	18th Hole (2 disks)	Excellent golfing game
G308	Gush	Very similar to pipeline
G310	Zalycon (2 disks)	Space shoot'em up
G324	Physco Santa	Waggle your joystick with this festive disk
G325	Mister Men Olympics (2 disks)	Excellent game for disk as reviewed in Amiga Computing

A1200 ONLY

D286	No point of sale	Stunning French demo
D288	Revelations	Photo realistic slideshow
D290	Raving Mad Me	High quality music demo
G321	AGA Klondike (3 disks)	Excellent patience card game
G322	Giger Tetris	Tetris clone
G323	U Chess	Brilliant chess game
D301	Retina	Excellent Vector film demo
D300	Technotrack II	More rave music
D294	AGA Swimsuits (5 disks)	IFF 256 colour pictures use with DPaint etc

Blank disks

10 for £5.50 or 60p each

POSTAGE

UK orders : 75p
Europe : £1.50
World : £3.00

PRICES

PD....£1.25 per disk
or
£1.00 each for 15 or more.

New Year Special Offer

30 disks or more at 90p each

offer ends 31st January 1994

CATALOGUE DISKS

75p each

Details of over 2500 disks in our library

Send cheque/postal order made payable to :

SOFTWARE EXPRESSIONS,
Unit 3/4, 117 Kennington Avenue, Bishopston,
Bristol BS7 9EX
9am-5pm Mon to Fri
Est. 1990

Access
VISA

KICK 1.3

DOWNGRADE YOUR A1200 AND/OR A600 TO WORKBENCH 1.3 YOU CAN NOW RUN ALL OUR SOFTWARE

amiga First Choice public domain

THE ORCHARD, 139 HIGHRIDGE GREEN,
BISHOPSWORTH, BRISTOL BS13 8AB

PLEASE MAKE ALL CHEQUES AND POSTAL ORDERS PAYABLE TO:-
FIRST CHOICE P.D.

ALL ORDERS DESPATCHED FIRST CLASS. PLEASE REMEMBER TO ADD P&P CHARGES.
PLEASE STATE MACHINE WHEN ORDERING.
PD PRICES ARE PER DISK - NOT PER TITLE.
NUMBER OF DISKS (IF MORE THAN ONE) IS SHOWN IN BRACKETS.

FOR ALL ENQUIRES - MOBILE FROM 11AM TO 8PM

TEL: (0374) 446776

IF PHONE DOES NOT RESPOND DUE TO POOR COVERAGE - PLEASE TRY AGAIN LATER

ALL DISKS COMPATIBLE WITH ALL AMIGA`S

WHEN DISK K001 - DISKSTART V1.3 IS USED ON A500+/A600/A1200/A4000

GAMES

G010 - POM POM GUNNER - Great graphics in this operation wolf style shoot em up.
G011 - AIR ACE 2 - A great World War 2 shoot em up.
G013 - THE REVENGE - Play ED-209 from Robocop in this violent shoot em up.
G015 - MEGABALL - A game that has received excellent reviews.
G016 - SIMPSONS - Televisions wacky family brought to life in this shoot em up construction kit game.
G020 - LAME ST-PORTS - A space invaders type game, the object being to defeat Atari.
G021 - MASTER OF THE TOWN - The aim of this game is to cause as much damage as possible.
G025 - DRAGONS CAVE - A dungeon master style puzzle game.
G026 - DOWN HILL CHALLENGE - Good ski simulater.
G028 - PIPELINE - Classic game but too fast on A1200/A4000 due to superior processor.
G039 - SMURFHUNT - Plenty of gun power in this shoot em up.
G040 - PARADOX - Funky puzzle game.
G043 - WIBBLE WORLD GIDDY - A superb platform game. This is one of the best public domain games ever.
G047 - SUPER PAKMAN - If you like Pak games, then get this!!! The best version to date.
G048 - NEIGHBOURS - (2 disks) An excellent graphic adventure, probably the best ever in PD.
G049 - FIGHTING WARRIORS - Budget version of Streetfighter 2 with good graphics.
G050 - BOMB JACKY - The spectrum classic with vastly improved graphics and sound.
G055 - TEXAS CHAINSAW MASSACRE - Inspired by a true story.
G056 - 18 HOLE GOLF - The first ever public domain golf game. Great fun. (2 disks)
G057 - SPACE INVADERS 2 - A revised version of the classic game.
G059 - AMOS CRICKET - A good cricket simulater written in Amos.
G060 - TRON 2 - If you liked the original, then you can't miss this update. Faster and improved presentation.
G061 - ESCAPE - The aim of this excellent game is to run over tiles pushing specific ones down to open gates which allow you to reach the exit. Do it within a time limit to progress.
G062 - DR. MARIO - Similar to a NES game of similar name but better graphics.
G063 - ASSAULT - This average game involves you shooting all the characters that pop up in the windows.
G064 - DEATH BINGERS IN SPACE - A Xenon style shoot em up.
G065 - ZOMBIE APOCALYPSE - Good fun with lots of blood and guts.
G066 - STARIANS - Bizarre platform game.
G067 - SUPER SKODA CHALLENGE - A good game for up to four players with track editor etc.
G068 - PREMIER PICKS - Very unique football management game, very well presented.
G069 - BILLY BURGLAR - Dodge lights to escape from prison.
G070 - AMIGABOY - The n game Tetris is widely regarded at its best on the Gameboy. It has now been perfectly converted, with exact visual representation.
G071 - ACT OF WAR - A game of similar style*to risk.
G072 - ADAMS FAMILY QUIZ - How much do you know?
G073 - PARACHUTE JOUST - Guide the skydiver to the ground.
G074 - CARD SHARP - Various card games.
G075 - JEWL - A briliant game.
G076 - TOP SECRET - Sorry, can't tell you!!!
G077 - JELLY QUEST - This game by David McGuire was described by Amiga Power quote "It's a superior brand of PD puzzle game, and its looks can only be described as - dead lush!" It went on to receive a 4 out of 5 star rating.
G078 - VENUS INVADERS - Excellent new version of space invaders.
G079 - THE RIGHT WAY - A great lemmings clone.
G080 - SUPER PRIX - A birds-eye-view racing game.
G081 - PATIENCE - The best public domain version of this card game.

UTILITIES

U001 - THE ULTIMATE BACKUP DISK - All the very best public domain copiers including DCopy, Tetracopy and XCopy.
U013 - BUSINESS CARD MAKER - A utility that can give professional results for use with any printer.
U021 - SYSTEM X - A telephone directory on disk. It even dials the number!!!
U136 - 600 BUSINESS LETTERS - Over 600 letters of basic format ready for quick and simple modification in any word processor.
U139 - PRINTER DRIVERS DISK - An excellent selection of drivers to get your printer working perfectly.
U140 - LABEL MAKER - Excellent utility allowing you to make your own disk labels. We have added several fonts to give you more design options.
U153 - MULTIPLAYER - Can play virtually any type of music module.
U167 - WINDOWBENCH - A replacement for Workbench V1.3 in the style of Microsoft Windows.
U168 - GAME TAMER V2.2 - Loads of cheats (over 250) for use in many top games.
U176 - UNDERSTANDING AMOS - A very useful learning aid.
U178 - AGRAPH - Create all kinds of pie charts, bar charts and line graphs.
U179 - CLI TUTOR - Loads of hints and tips.
U180 - DISK OPTIMISER - Speeds up loading by up to 15 times.
U181 - FORMS UNLIMITED - Create your own invoices and other forms with this neat utility.
U183 - MAGNUM - Create your own disk based magazine.
U184 - EDWORD - Excellent text editor.
U185 - POOLS PREDICTION - If you need more help (or money) try this disk.
U186 - VMORPH V2.0 - Excellent utility that allows you to create morph/warp animation. Requires 1MB.
U187 - THE MENU DISK - If you are interested in creating your own compilations etc. then get this disk. Its perfect for added presentation.
U188 - CLUB LEAGUE - A utility that allows you to edit and keep track of your teams division and leagüe status.
U189 - SCREEN BLANKERS - A disk packed with screen blankers.
U190 - THE LITTLE OFFICE - One of the best small business programs available at the moment. Very popular.
U191 - VOICE CLI V5.5 - This utility allows you to control CLI with speech.
U192 - ACCOUNT MASTER - Written in Amos this is a very popular business utility of excellent quality.
U193 - SOFTWARE LISTER - This program is designed to keep track of your software collection.
U194 - DISKPRINT V3.5 - An integrated database and disk label printing utility.
U195 - RACE V1.6 - A disk that will work out the chance of a horse winning a race.
U196 - DRAW MAP V4.1 - There are two versions, this is the 1MB version. It allows you to create 2D and 3D maps. Quote U296 for 2MB version, which comes on 2 disks.
U197 - FOOTBALL LEAGUE EDITOR V1.1 - As soon as the results come in, you can monitor your teams latest position.
U198 - GOLF SCORES V1.8 - It can record the results of every round you play, store them and give an overall electronic score.
U199 - ANTI FLICKER - An aid to stop the flicker in Hi-Res mode during some programs operations.
U200 - AMICASH BANKIN - If you have a small business, this program is the best of its nature and highly recommended.
U201 - PUNT PROGRAM - Another prediction aid for the horses.
U202 - MONEY MANAGEMENT - Home accounts package capable of handling up to 12 different accounts.
U203 - EASY CALC V1.0 - This spreadsheet is designed to be both very user friendly and fast. It has an excellent built in help system.
U204 - KEYBOARD TRAINER V1.1 - Best public domain typing tutor available at present.
U205 - M-CAD - Computer aided design program.
U206 - NO ERRORS - Hides the hard errors on disks making all your corrupt disks usable once again.
U208 - 203 UTILITIES - The most utilities ever available on a single disk.

UTILITIES

U209 - UNDELETE - This utility allows you to get back stuff that was accidently deleted from disk.
U210 - JOYSTICK TESTER - A brilliant joystick testing program.
U211 - RED SECTOR DEMO MAKER - A 2 meg version of the most popular utility ever!!! Create stunning demos/megademos/intros. The special thing is that it has been modified to work with the A500+ and even better the A1200. (2 drives rec. A1200)
U212 - AIBB V5 - A good diagnostic program.
U213 - SYS INFO V3.11 - A disk that will let you know the technical status of your machine.
U214 - ENGINEERS KIT - A diagnostic disk, specially suited for engineers etc.
U215 - DISK REPAIRERS - Will allow you to try and make all your unusable disks work again.
U216 - AMIGA DIAGNOSTICS - Solve thousands of amiga problems with this diagnostics disk.
U217 - LAST WILL AND TESTAMENT - Write your own will.
U218 - MUSIC BASE UTILITY - Store your record/video collection.
U219 - ERROR INFO - Gives you a list of all amiga error codes and their meanings.
U220 - PC TASK V2.02 - IBM PC emulater it allows you to run the majority of PC software with no additional hardware. Now supports VGA, EGA, CGA and MDA. (DV)
U222 - REPAIR-IT 3 - Contains a selection of disk and hard drive repairing utilities. Excellent for saving that vital file.
U224 - SPECTRUM EMULATER - This is the best and latest version of the most popular emulater for the amiga. There are 68020/030 versions for new AGA amigas.(2 disks)
U225 - STOCK ANALYST - This is a technical analysis and securities tracking program which calculates when to buy and sell shares.
U226 - ASTRONOMY V2.0 - A menu driven astronomy program that calculates information about the Sun, Moon and planets. Help disk.
U227 - MING SHU CHINESE ASTROLOGY - Will create horoscopes in seconds. The complete aid.
U228 - COLOURED ICONS - Transfer your disks into colourful, well presented works of art with this database.
U229 - KIDS PAINT - An art package simplified for the younger amiga owners.
U230 - STAR VIEW - This program is designed to show graphically the positions of the stars and planets from any part of the earth.
U231 - AQUARIUM - Turns your screen into an eye catching fish tank.
U232 - OCTAMED V2 - Latest version of the famous music package.
U233 - NUMPAD FOR A600 - A program that makes the A600 think its got a numeric keypad.
U234 - ADDRESS PRINT V3.1 - Very useful if you make regular postal correspondence.
U235 - IFF BOOT - Displays a picture whilst your hard disk boots up.
U237 - PAY ADVICE ANALYSER - A very useful program for keeping track of pay, tax and national insurance.
U238 - CANNON PRINT STUDIO - Got a Cannon printer? This disk is essential for brilliant results.
U239 - FANCY PRINTING DISK - Contains Banner, Graph Paper V1.2 and Disk Print V3.5
U240 - BBASEIII - An easy to use versatile, yet fully featured database. Greatly enhanced successor to bBaseII.
U241 - ADM V1.01 - Flexable address database with loads of great features.
U242 - LITTLE TRAVELLER V1.1 - This utility shows a world map and allows you to select any country for travel information. It then zooms in giving a close-up map with more information.
U243 - BANNER MAKER - Create spectacular printed banners.
U265 - PROTECTION - Keep unwanted users from playing with your amiga.
U266 - PARBENCH - Link up two Amiga's and communicate with each other.
U283 - TEXTENGINE V4.1 - Sent direct from author Nicholas Harvey this excellent program has all known bugs fixed. Has 36,000 word spell checker.

EDUCATION

E001 - TOTAL CONCEPTS DINOSAURS - A book on disk appropriate for sensational Jurassic Park movie. Get it!!!
E002 - SCIENCE - Excellent learning aid to the difficult subject. (4 disks)
E003 - FRACTIONS AND SILHOUETTES - Good maths utility.
E004 - WORLD WAR 2 - Good history aid.
E006 - WORLD GEOGRAPHY - Very useful utility.
E007 - KIDS DISK 1 - Excellent reading utility.
E008 - LEARN AND PLAY 1 - For younger amiga users, very popular.
E009 - LEARN AND PLAY 2 - See above, usually ordered as a 2 disk set.
E010 - GCSE MATHS - Good, written by a teacher of the subject.
E011 - LANGUAGE TUTOR - French, Spanish, German and Italian.
E012 - AMIGAWORLD - This piece of educational software contains details on every country.

DEMOS

D004 - ARSEWIPE - Hilarious toilet role commercial.
D007 - FILLET THE FISH - Cartoon animation.
D019 - SIMPSONS SLIDESHOW - Pictures of televisions wacky family.
D023 - PUGGS IN SPACE - Another cartoon animation from the same person who brought you Fillet the Fish.
D025 - SAM FOX - Slideshow.
D035 - RUDE NOISES - Hilarious samples.
D036 - FAST CARS - Pictures of the worlds most exotic cars.
D074 - MADONNA LIKE A VIRGIN - Music put to naked slideshow of Madonna
D091 - SAFE SEX DEMO - Hilarious mixed samples.
D114 - NEIGHBOURS SLIDESHOW - Very old but still amusing pictures of the cast with drawn on special effects.
D121 - GIRLS ON FILM - Digitised animation.
D129 - SHOWERING GIRLS - Colour digitised slideshow.
D138 - WAR SIMULATER - Samples that could get you a day off school or work. Sounds of sickness and war. Try it down the phone!!!
D198 - BASIC INSTINCT - Digitised pictures from the film.
D199 - STRIP SLOT MACHINE

VIDEO ART

U026 - TV GRAFFIX - Loads of backdrops etc. for use with genlock. Also fonts for Dpaint. (2 disks)
U169 - HARLEQUIN VIDEO ART 1 - Excellent collection of backdrops of superb quality for use with genlock.
U171 - HARLEQUIN FONTS 1 - Loads of excellent Hi-Res fonts.
U172 - HARLEQUIN FONTS 2 - More of the above.

VIRUS KILLER

V001 - SUPERKILLERS - Highly recommended as it could save you ££'s. Essential for hard disk owners. With no virus protection you are putting your entire software collection at risk. Regular updates to keep in touch with all virus activity. Separate versions for AGA machines.
All our disks are virus free.

MUSIC

MD01 - MUSIC MODULES - A massive 10 disk collection of good quality music modules. All of soundtracker file type for use with RSI Demo maker, Noiseplayer and many other applications.

AGA SECTION

A019 TO A023 - WEIRD SCIENCE - Excellent quality pictures. (5 disks - available separately)
A024 - FIT CHICKS - A collection of girly pictures for the A1200 only. (2 disks)
A025 - FREAKS BODY SHOP - A small selection of girly pictures.
A030 - FERRARI PICTURES - Pictures of a new model from the worlds most exotic car maker. Good 256 colour pictures.
A036 - NIGHTBREAD - Many pictures drawn in 256 colours. (2 disks)
G042 - AGA TETRIS - Controlled with the cursor keys, this excellent conversion of probably the most addictive game ever is now available with 256 colour graphics.
G082 - AGA CHESS - An excellent game but you will need 4mb of ram to get it to work!!!
U001 - ULTIMATE BACKUP DISK - This compilation includes DCopy V3.0 which is probably the only copier that works successfully on the A1200/A4000.
U123 - WORKBENCH HACKS - Many useless special effects for workbench V3.0
U118 - MORE WORKBENCH HACKS - Guess what?
U255 - WB V3.0 INSTALL - If you need to install your hard disk then you need this.
U256 - A1200 DEGRADERS - An essential purchase for AGA owners. Includes Fake Fast Mem, The Degrader, Diskstart, Kill AGA V2 and Helpful hints.
U257 - VIEWTEK V1.03 - An essential purchase allowing you to display AGA graphics.
U258 - HDMEM - This utility allows your AGA machine to use your hard disk as virtual memory. If you've got a 80mb hard disk then you can have 80mb ram. Requires FMU, MMU etc.
U272 - WORKBENCH V3.0 SCREENS - Improve the appearence of workbench with these excellent backdrops.
D181 - TEAM HOI PLANNER GROOVE - This was the worlds first ever AGA megademo.
D195 - PANTARHEI - A new AGA megademo. With amazing sound, graphics and colours.
D197 - TEAM HOI 2 - Sequel to the first ever megademo.

ABOVE DISKS WORK WITH A1200/A4000 ONLY.

ASSASSINS

THE EXCELLENT VALUE
ASSASSINS GAME COMPILATIONS
TO ORDER QUOTE ASI AND DISK NUMBER.
OVER 135 NOW AVAILABLE.

FONTS

WHY PAY MORE THAN £3.00 FOR FONT DISKS WHEN FIRST CHOICE SUPPLY EXACTLY THE SAME FROM JUST £0.89 !!!

FONTS AVAILABLE IN ADOBE TYPE 1 TESTED ON FINAL COPY IIB + PAGESTREAM V2.1
AND SCALABLE FORMATS TESTED ON PROFESSIONAL PAGE V3.0 + PAGESETTER V3.0.

FD01	FD02	FD03	FD04	FD05	FD06
FD07	FD08	FD09	FD10	FD11	FD12
FD13	FD14	FD15	FD16	FD17	FD18
FD19	FD20	FD21	FD22	FD23	FD24
		FD25	FD26		

REMEMBER TO STATE SCALABLE OR ADOBE

EACH DISK CONTAINS AN AVERAGE OF 17 DIFFERENT FONTS. BELOW IS A RANDOM SAMPLE OF FONTS FROM DISKS FD01 TO FD04.

NORMAL DISK PRICES APPLY
ALL 26 FONT DISKS FOR JUST £25.81

AachenBold AARCOVER
BauhausBold Anqm
BILLBOARD Chicargo Arctic2
AvantGarde Cartoon
Architect CaslonOpenface

A SMALL SELECTION OF FONTS FROM SETS 1 TO 4

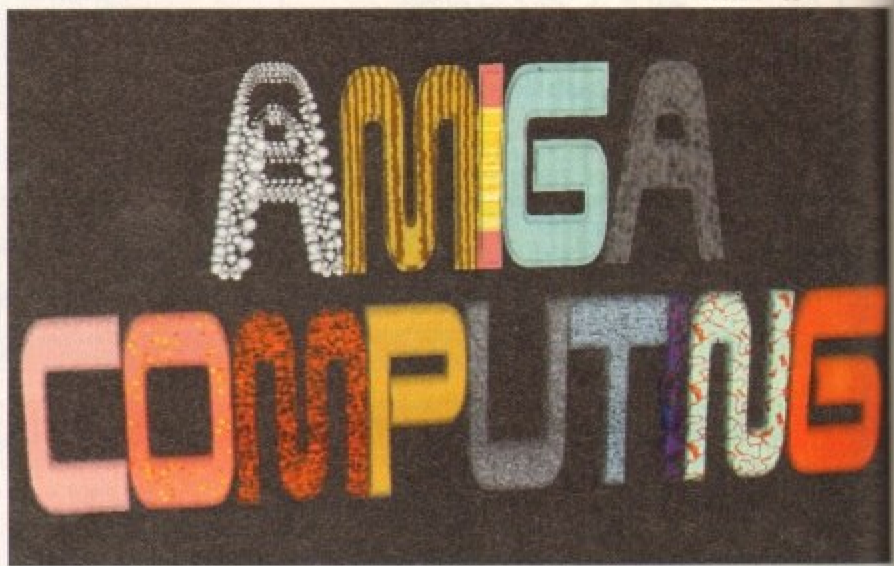
DISK PRICES AND POSTAGE RATES

SINGLE DISK £1.85 INCLUSIVE P&P
2 - 15 DISKS ONLY £1.25 EACH
16 - 25 DISKS ONLY £1.00 EACH
26 + DISKS ONLY £0.89 EACH

POSTAGE IN UK £0.80 PER ORDER
P&P FREE ON SINGLE DISK IN UK ONLY
EUROPE +25p DISK (MIN £1)
WORLD +45p DISK (MIN £2)

Use some

With Imagine 3's release imminent, Denny Atkin takes a peek at Imagine 2.9, which has many of the new versions features and is shipping now



This logo was created by loading a PostScript font into Imagine's new Spline Editor and extruding the words into 3D. This uses just a few of the 50 textures included with the new release; note that the A in Amiga has been particlized

Impulse's long-awaited Imagine 3.0 hadn't quite shipped when this issue went to press, but the company did ship an interim version – Imagine 2.9 – to their registered users.

Since 3.0 was taking longer to finish than expected, Impulse sent out 2.9 – which has many of the new features – so current Imagine users could get started with some of the new capabilities, and act as testers for the new program aspects. By the time you read this, Imagine 3.0 should be available, and we'll have an update on the full program in an upcoming issue.

If you're not familiar with Imagine, it's a 3D rendering program with a quad-view editor, powerful animation capabilities, and fast rendering speed. Although the previous release, Imagine 2.0, didn't have the massive feature set of newer programs like Real 3D 2.0, it did have fast rendering, fairly bug-free operation, and a massive library of commercial, shareware and PD objects and utilities to support it.

Some major new features are coming in Imagine 3.0. These include bones, kinematics, improved anti-aliasing, new light sources with improved shadows and shadow mapping. Also coming in the release version are new stage and animation tools, and the long-awaited improved manual. Version 2.9 comes with a 25-page addendum that discusses the new features.

Imagine has always been a fantastically powerful program, but the poor documentation has previously been of little help in getting you over the program's learning curve.

There's plenty new in Imagine 2.9. These features are strikingly obvious, as Impulse put almost all of them in a menu called New, figuring that everyone who got release 2.9 would immediate want to jump in and play with them immediately.

But the most useful feature – the one that alone makes this upgrade worth the price – isn't obvious immediately: Imagine has a new real-time interface. Now objects actually move around in real-time in the Perspective window as you drag and resize them. There's no way I can emphasise enough how much easier this makes it to compose scenes.

In each of the editors you'll find three new gadgets which support this real-time perspective feature. The A gadget controls angles, letting you move the camera's perspective of the object by moving the actual view of the object. Z controls zoom, letting you move the view in and out.

Subtle but powerful is the P, Perspective, gadget; this lets you change the perspective view, so that, for instance, a checkerboard floor will appear to be made from squares instead of diamonds. (It's like adjusting the angle on a telephoto camera lens to remove distortion.)

A new FOV (Field Of View) menu item lets you precisely adjust the camera's view field between 10 and 120 degrees for similar effect.

The Quick Edge feature makes moving objects around much quicker. You can define only certain edges to show up, so you can, for instance, only view the outline of your aeroplane's fuselage and wings while working in the editor. This not only speeds up redraws, but makes it much easier to differentiate objects, since the screen is far less cluttered without the tiny triangles that usually make up objects everywhere.

These functions work in all the editors that use the quad-view interface. You'll find plenty of new features in the individual editors as well. In the detail editor, the primary place where objects are created and modified, the new Load/Save DXF menu items let you import and export objects in AutoDesk DXF format.

This is the most popular object format in the IBM-compatible world, and will let you access the huge library of objects available for those machines.

There are a number of new Deformation functions for modifying existing objects. These include Twist, Shear, Taper, Pinch, Bend, and Stretch. You can select the gadgets at the bottom of the screen and manually deform objects and primitives using your mouse, or you can choose the equivalent menu item and use requesters to precisely define how you want to deform objects.



Imagine's new Spline editor allows you to work with PostScript fonts and other 2D objects and extrude them

Next to Deformations in the New menu is the Particles option. Particles are objects – spheres, cubes, even dodecahedrons – which can replace the faces of your object. See the "A" in the Imagine-rendered *Amiga Computing* logo for an example.

You can have an object appear to be created from bubbles, use particles to make object look like it's evaporating, or any number of other organic-looking functions.

Imagine doesn't let you control the behaviour of individual particles but instead ties them into the original polygon faces of your object. This is done to keep the amount of controllable objects down to a realistic number.

You can now use the Fracture function in Object mode to create some impressive effects. Fracture breaks up the triangles that make an object. If you type in a Fracture value of 1.5, for instance, your object will be 1.5 times larger than it was before. But the extra space is now between the triangles that make up the object.

Progressively larger fracture values in an animation can be used to make it look like an object is exploding; if you fracture an object to a large degree, tween back to the original object, and run this reversed-fracture, it can make an object look like it's forming from thin air – a very impressive effect.

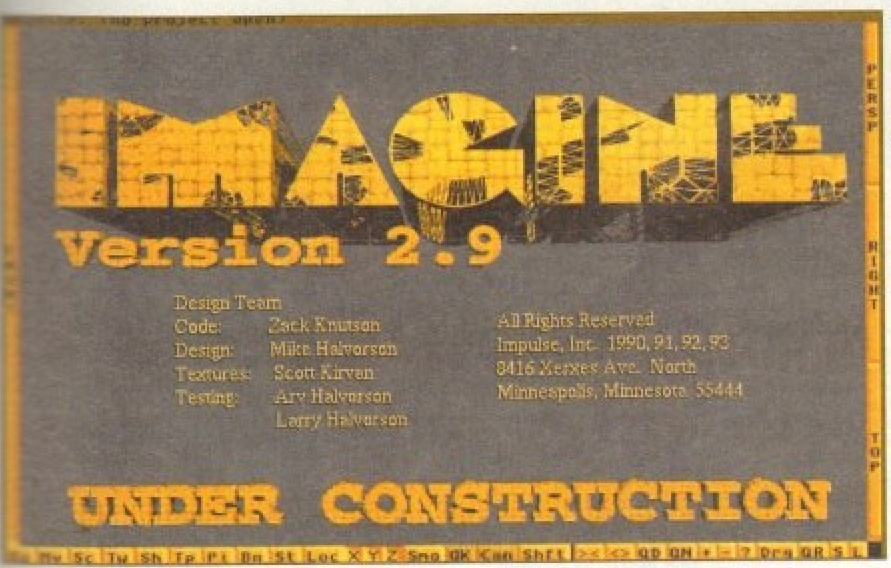
Other new functions include Latticize, which is handy for making frameworks like the inner structures of buildings or space stations (see the new Imagine logo for an example of this); Applique, which lets you wrap an image onto an object to deform the triangles that make it up, creating a 3D effect that corresponds to the grey-scale brightness of each pixel in the image; and Wave, which is a ripple effect.

The new Check Obj menu item is handy for finding and correcting problems like duplicate points or improper edges in objects. Although you're not likely to have these problems with objects you create yourself, they often show up in objects translated by conversion software or third-party object editors.

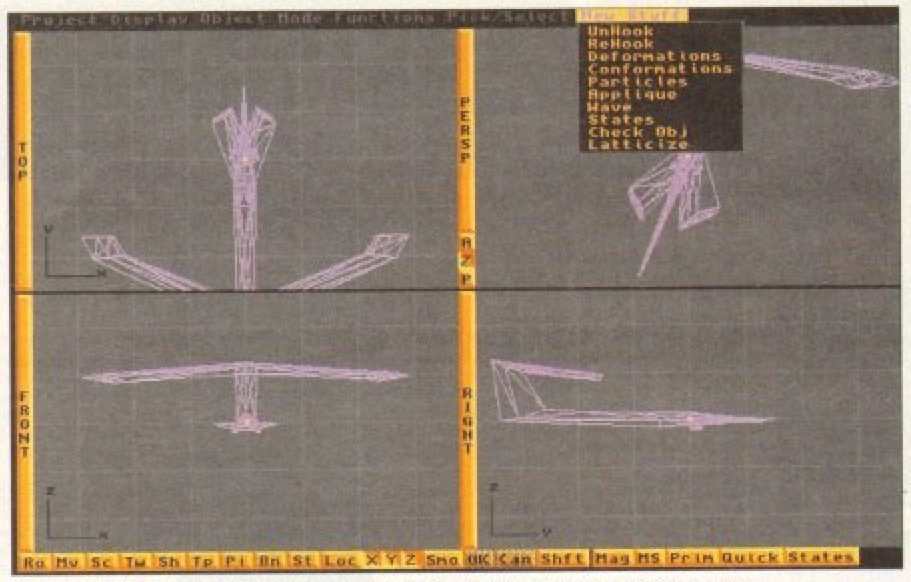
Finally in the Detail editor you'll find the new States function. This innocuous menu item packs a lot of power. Essentially, it lets you define different states – size, shape, and other characteristics – of objects or groups of objects.

A simple example would be a box that you morph into a teardrop. You create the initial box with a certain shape and colour, then you define that state as BOX. Then morph and otherwise change the object, and save that state as TEAR. Now you can save the single object which has both "states" of the object stored in the file.

You might have an aeroplane that has



The new title screen; note the use of the new texture and lattice features in the word Imagine



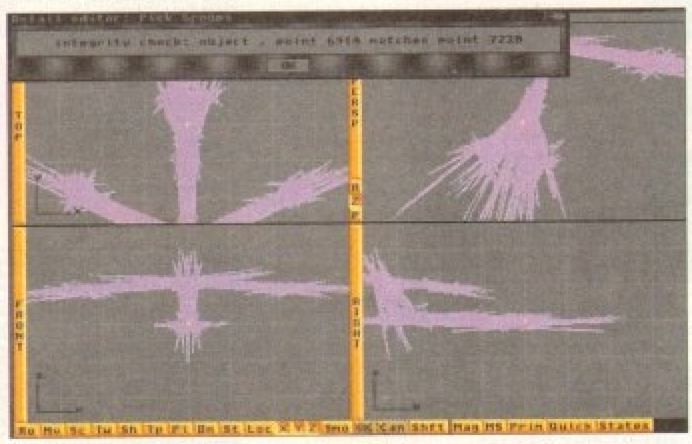
This interim release puts the new features in their own menus; this is the Detail Editor

imagination

five different states where the propeller is in a different position for each one, or you could have a human figure with different states depending on the position of the limbs. You can tween between states, making movements or morphs between states a snap.

States can also be used to do texture and image tacking. This solves a problem with earlier versions of Imagine where textures and images would "slip off" of an object when you manipulated its shapes. By tacking the texture down it maintains its position on the polygons that make up the object. Now you can twist a T-Rex's neck around without worrying that the impressive new Dinosaur Skin texture won't follow his head as it turns.

Impulse have hesitated at replacing the current polygon-based object creation system with a spline-based one due to performance considerations – although some functions in Imagine aren't as intuitive in as in some other programs, generally the rendering takes place much faster, and Impulse don't want to lose that advantage. In the meantime, though, they've included a 2D spline editor for creating shapes which you can then extrude. Although this feature is nice for creating some objects, I've found it most handy for text.



You can now check an object's structural integrity before rendering it, saving you from problems later

The spline editor will load IBM-format PostScript Type 1 fonts, making bringing text into Imagine a simple process – no more loading individual character objects and meticulously positioning them to get the best effect.

To create the "Amiga Computing" picture above, I simply entered the Spline Editor, chose a PostScript font (I configured Imagine to look at the PSFonts directory in my PageStream drawer, and it automatically made all the fonts available), and typed "Amiga", stamped that down, and typed "Computing". I then grouped the two objects and used the Add Points commend to extrude and bevel the text to make it 3D. I saved the resulting object and loaded it into the Detail editor where I added colour and texture.

In the Action editor you can now associate objects with each other. You can, for instance, set a camera to follow a plane through manoeuvres without having to mess with complicated paths or tracks.

You can also create Particle F/X here. You'll find special effects like Rain, Wind, and Delayed explosions which can affect your objects. You can also control Emission here, so you can have particles "ejected" from an object, creating, for example, a particle-based comet-tail. (If you've ever seen the meteor at the opening of *Star Trek: Deep Space 9*, this is what we're talking about.)

Although many of the new Stage tools didn't make it into this release, one major feature did, which will make composing complicated animations much easier: Layers. Now you can load objects into different layers and "turn off" layers that you don't need at the moment. For instance, in a scene with a car speeding down a highway, you could load the ground, road, signs, and trees into Layer 0, the oncoming traffic into layer 1, and the main car into layer 2.

Once you've placed the scenery in layer 0, you're not going to move it again, so you can then turn that layer off so that your screen redraws will take place much faster.

A huge help in designing your scenes are the new camera and light lines. These are essentially projections from the camera and lights that show exactly what parts of the screen fall into their field of view. This makes it much easier to manually track objects with cameras and lights – now you just point the projecting lines at the objects.

The 3.0 release promises to dramatically ease creating animations, with features like Bones and Kinematics. Release 2.9 has been solid in my experience, and Impulse have managed to cram in a number of new features while actually reducing the amount of time many functions take. If you've used previous versions of Imagine, you'll definitely find this upgrade worth every penny.

Can you feel it?

Imagine now sports 50 impressive new textures. Among these are Confetti, Crumpled, DinoSkin, Leather, Monster, Mosaic, Stained Glass, Bath Tile, Gas Giant, Lens Flare, Death Star, and the icky WormVein. These are all configurable and each texture can be used to create a multitude of effects.

Unfortunately, due to a change in the texture system, you can't use the Essence texture packages created for Imagine 2.0. Although they're not as necessary with all the new textures featured here, it might make bringing some of your old objects into the new version a bit more of a task as you'll need to redefine those textures. Also note that, with Imagine 2.9 at least, the textures only work with the floating-point version of Imagine, which requires a math co-processor. Impulse hopes to make them work with the Integer version by the time that 3.0's released.

You can now view all the textures in all of their glory thanks to Imagine 2.9's AGA support. You can render in 256 colours or Ham8. It only supports direct rendering to screen in sizes up to 640 x 512, though – you'll still need to render into custom sizes and use a package like ADPro to create pictures and animations in modes like Super72 or SuperHires.

Ham8 animation was bugged in 2.9, but should be fully functional in the 3.0 release.



United Public D

The innovators

Look out for the CLR logo!

Most CLR titles ok on A1200!

.. The Central Licenseware Register ..

Commercial Quality programs at a PD price !

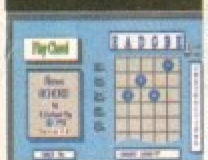
Most CLR titles ok on A1200!



CLE02 TOTAL CONCEPTS GEOLOGY This title is the second in the series of quality programs by Chris hill, using the GoldDisk Hyperbook system, it will guide you and your children on an interactive guided tour through the incredible world of volcanos, rocks and minerals. the program is very simple to use !



CLE03 TOTAL CONCEPTS SOLAR SYSTEM Now our most popular title ! This one invites you to learn all about the solar system, with information on all of the planets & systems with pictures supplied by Nasa. this is a superb educational package for children & adults. This title is so big it is supplied on Three disks and is priced at only £4.99. +



CLE05 A-CHORD So you want become the next Eric Clapton then this is just what you need ! This program will teach you nearly every single guitar chord including fingering techiniques, it will even play the chords using the amigas built in sound chip. A must for every single guitar player beginner and experts alike. Price £3.50 +



CLE15 FAST FRET By Keith Klatworthy, this program is a guitar scales tutor, the very thing for the budding lead guitarist! Will play the scales through the Amigas sound chip with ajustment of speed for every level of skill required! There are many exercises in many scales so you too can become the next rock legend! Supplied on one disk priced 3.50. +



CLE029 PREHISTORIC FUN PACK This is a superb title containing four fun dinosaur games, Dinoslider a tiles puzzle game, Dinosaw is a jigsaw memory game. Snakes & caves is the old favourite snakes & ladders, and Eggstinct is a fun egg collecting game! Will keep the kids amused for ages! 1 disk 3.50.+



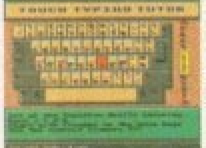
CLE035 TOTAL CONCEPTS SOLAR SYSTEM 2 In this sequel to our most popular title, Chris Hill brings you the very latest on the Solar System! All the very latest planetary missions are covered & if you thought the images in TC! Solar System were good wait until you see these 40+ images! This is a must if you have TC! Solar System. Supplied on 3 disks only 4.99.+



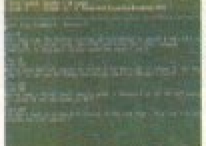
CLE049 TOTAL CONCEPTS DINOSAURS 3 is the latest TC! to join this exellent series & uses a new layout giving you a dino image & info buttons onevery page! It includes the new superstar of the dino world Velociraptor. If you are at all interested in Dinosaurs this is a must to complete your Dinosaur library!! Over 30 images supplied on 3 disks only 4.99.+



CLE051 PAINT PASTE & DRAW This is a stunning drawing/colouring book, containing lots of background pictures, brushes to paste on, plus editor to design your own , you can even add your own artwork to the picture. A superbly presented program, this one is a must for young children! 1 disk 3.50.+



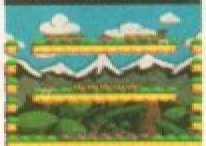
CLU03 TYPING TUTOR A program here now for all you budding office clerks, learning to type can be a real pain, lessons cost a fortune, but not when you have an amiga ! This program will take you step by step through a full typing course, showing where to place your fingers and lots more. Before long you'll be able to type as fast as I can ! Price £3.50 +



CLU032 POWERTEXT 2 This is a superb & powerful wordprocessing program, featuring embedded commands, automatic saving, Mail merging, built in spelling checker, user definable function keys, wordwrapping & much much more! You will probably never need any more than this super product! Needs 1 mg of ram. 1 disk 3.50.+



CLG022 SPARX STOCKING FILLERS by LenTucker, 3 super seasonal games for all the family! Chrismajig is a festive version of thingamajig with six picture puzzles to sort out! Christmas pairs is a traditional "pairs" game & Santas sleigh ride is a sideways scroller where you have to deliver presents down chimneys! 1 disk 3.50.+



CLG030 CAPTAIN K This is an exellent platform game. The object of the game is to collect all the items scattered around each level & kill all the monsters. For this purpose you have an unlimited supply of bombs, which when thrown, bounce for a short time before exploding, killing any monsters nearby! 1 disk 3.50.+



CLG041 F1 RACER This is a very professional game, 3d graphics in a Formula one type vein as viewed from the driving seat. Speed is subject to the speed of your machine (it really zooms on an Amiga 4000!) Lots of fun for anyone who likes driving games with super graphics & sound! Very impressive game . 1 disk 3.50.+



CLG042 CRYSTAL SKULL This was written as a commercial release but was never released! It is a full 3d role playing "Dungeon Master" type game, speak to passers by, kill them, investigate any one of 4 pyramids with all its ghosts & goblins. This will keep you up for ages! 1 disk 3.50.+

MORE CLR EDUCATIONAL!

CLE01 TOTAL CONCEPTS DINOSAURS Superb book! 2 disks 4.50+
CLE07 TOTAL CONCEPTS FRESHWATER FISHING 2 disks 4.50 +
CLE08 NIGHT SKY Exellent guide to the stars. 1 disk 3.50. +
CLE09 WORDS & LADDERS Good spelling program. 1 disk 3.50.+
CLE10 BASICALLY AMIGA guide to Amigados! 3 disks 4.99! +
CLE11 LET'S LEARN For children of 5-7 years. 1 disk 3.50. +
CLE12 ALPHABET TEACH spelling program for the kids!1 disk 3.50+
CLE13 HOME BREW Create your own brews! 1 disk 3.50. +
CLE14 TOTAL CONCEPTS ECOLOGY Learn ecology 3 disks 4.99. +
CLE16 KINGS & QUEENS A history lesson! 2 disks 4.50.+
CLE17 THINGAMAJIG An electronic jigsaw, 1 disk 3.50. +
CLE18 WORK & PLAY 3 educational programs: 1 disk 3.50. +
CLE19 PLAY IT SAFE Teaches safety in the home, 1 disk 3.50. +
CLE20 BIG TOP FUN Four programs 1 disk 3.50. +
CLE21 JIGMANIA Jigsaw solving & construction set! 1 disk 3.50! +
CLE22 CHESS TEACHERteach chess in a fun way! 1 disk 3.50. +
CLE23 MIND YOUR LANGUAGE improve speech 1 disk 3.50. +
CLE24 SPEED READING Tests your reading speed 2 disks 4.50. +
CLE25 CHORD COACH This is a superb Piano Tutor, 1 disk 3.50. +
CLE26 SNAP An educational game for languages, 1 disk 3.50. +
CLE27 C.A.T.T. Superb Tarot reading program. 2 disks 4.50! +
CLE28 FUN WITH CUBBY 6 superb games for kids! 1 disk 3.50.+
CLE30 PEG A PICTURE Make pictures with pegs 1 disk 3.50. +
CLE31 UNDERSTANDING AMOS(NEEDS AMOS) 2 disks 4.50. +
CLE32 SPITFIRE! The legendary WWII fighter! 2 disks 4.50.+
CLE33 MESSERSCHMITT BF109 And the German! 2 disks 4.50.+
CLE34 YOUR FIRST PONY All you need to know! 2 disks 4.50.+
CLE36 THE TIME MACHINE Teaches kids to tell time, 2 disks 4.50.+
CLE37 DISCOVERY AMERICA Learn about the USA! 1 disk 3.50.+
CLE38 HOME INVENTIONS inventions since 1750. 2 disks 4.50.+
CLE39 MY LITTLE ARTIST colouring book Needs 1mg 2 disks 4.50.+
CLE40 BOREALIS JUNIOR Drawing for young children 1 disk 3.50.+
CLE41 BASICALLY MEDICINE Good help with first aid! 2 disks 4.50+
CLE42 COMPOSITION Photograph Tutorial disk. 1 disk 3.50.
CLE43 AMOS LANGUAGE QUIZ Helps learn Amos. 1 disk 3.50.+
CLE44 PORTRAITURE 2nd photo tutorial program. 1 disk 3.50+
CLE45 FUN WITH CUBBY 2 Another 7 fab kids games! 1 disk 3.50+
CLE46 BASIC HUMAN ANATOMY Good for education 1disk 3.50.+
CLE47 SEA SENSE Learn all about boats! 1 disk 3.50. +
CLE48 ROCKET MATHS Easy maths for kids! 1 disk 3.50.+
CLE50 DRATV2.4 Runecaster+ Translator, needs1.5mg 2 disks4.50+
CLE52 TELL THE TIME Just what the kids need 1 disk 3.50+

MORE CLR UTILITIES

CLU01 VIDEO TITLER Create video titles! 1 disk 3.50! +
CLU04 ALPHAGRAPH for producing Bar & Pie charts etc! 3.50. +
CLU07 PHILO Simple to use database system, 1 disk 3.50.+
CLU09 PLAY & RAVE2 Music module linker, 2 disks 4.50+
CLU10 POWER ACCOUNTS account statements, etc 3.50.+
CLU11 CALC V1 very useful spreadsheet program! 1 disk 3.50. +
CLU12 VIRTUAL WINDOWS Notebook Address book1 disk 3.50. +
CLU13 DATOS A powerful database, many features. 1 disk 3.50. +
CLU14 STOCK CONTROLLER Keep track of stocks 1 disk 3.50. +
CLU15 EPOCH VI calendar for Amiga,1299 yr diary 1 disk3.50.+
CLU17 LC10 FONTS Nice fonts for Star LC10 printer! 1 disk 3.50.+
CLU18 LC200 FONTS Fonts for your LC200 printer! 1 disk 3.50.+
CLU19 LC24 FONTS Fonts for your Star 24 pin printer.1 disk 3.50 +
CLU20 CANON BJ10. Super Fonts for Bubblejet 1disk 3.50.+
CLU21 INVOICE MASTER Sort out your invoices! 1 disk 3.50. +
CLU22 HARD DRIVE MENU Superb hard drive utility! 1 disk 3.50.+
CLU23 F15 ANIM BRUSHES Needs D paint! 1 disk 3.50.+
CLU24 RED LOTUS ANIM BRUSHES Needs D Paint 1 disk 3.50.+
CLU25 STARFIGHTER ANIM BRUSHES For Dpaint 2 disks 4.50.+
CLU26 STAR VOYAGER ANIM BRUSHES for DPaint3 disks 4.99+
CLU27 IMAGE BASE Simple authoring package 1 disk 3.50.+
CLU28 CREATIVE ADVENTURE TOOLKIT Needs 1mb chip . 3.50+
CLU29 G.F.X. Graphics convertors, sprite editors etc! 1 disk 3.50+
CLU30 DRAW SELECTOR V2 pools prediction prog 1 disk 3.50+
CLU31 FLOWCHARTER For creation of flowcharts! 1 disk 3.50+
CLU33 AM TUITION Create WB3 look & feel progs 1disk 3.50+
CLU34 IMAGE DOCTOR V1 Image processing 1 disk 3.50 +

MORE CLR GAMES

CLG05 TRUCKIN ON Truck management simulation 2 disks 4.50 +
CLG08 DRAGON TILES Superb version very addictive 1 disk 3.50 +
CLG09 MOTOR DUEL great 3d car racing game. 1 disk 3.50+
CLG11 ALL GUNS BLAZING 2 player , overhead view. 1 disk 3.50 +
CLG12 BULLDOZER BOB Clear screen of blocks! 1 disk 3.50 +
CLG13 PARADOX Another good puzzle game! 1 disk 3.50 +
CLG14 SONIC SMARTIEHEAD Crazy platform game! 1 disk 3.50.+
CLG15 SPLODGE THE ESCAPE puzzle platformer 1 disk 3.50+
CLG16 CRYSTAL MAZE A super puzzle game! 1 disk 3.50.+
CLG17 IMBRIUM Exellent graphic adventure! 1 disk 3.50+
CLG18 SKAN 29 Guide Sid through 220 levels! 1 disk 3.50. +
CLG19 STELLAR ESCAPE Vertical shoot em up! 3 disks 4.99. +
CLG20 JUNGLE BUNGLE Nice adventure game! 1 disk 3.50. +
CLG21 FLOWER POWER Gro before bugs eat them1 disk 3.50+
CLG23 MARVIN THE MARTIAN A maze type game, 1 disk 3.50.+
CLG24 EASY MONEY fruit machine simulator! (Not dos 2 or 3) 3.50.
CLG25 WHITE RABBITS This is a good puzzle game! 1 disk 3.50 +
CLG26 MONSTER ISLAND Dungeon Master game! 1 disk 3.50.+
CLG28 TIME RIFT Game played over 4 time zones! 1 disk 3.50.+
CLG29 BILLY BALL Good 3d isometric game! 1 disk 3.50.+
CLG31 DIRTY RACKETS 3 tennis games on here! 1.5mg1disk 3.50.+
CLG32 7 BLOCKS stop the falling blocks! 1 disk 3.50! +
CLG33 BAT 'O' ROONS 2 player bat & ball game 1 disk 3.50+
CLG34 CYBERNET Sideways scrolling shoot em up 1 disk 3.50+
CLG35 OG Prehistoric caveman rescues girlfriend! 1 disk 3.50.+
CLG36 RAW Red army worms, get the fishermen??? 1 disk 3.50.+
CLG38 QUINGO V4.00 Nice pub bingo game! 1 disk 3.50.+
CLG39 CYBALLS Steer orb through a vast maze! 1 disk 3.50+
CLG40 TRAX A fruit machine with a difference! 1 disk 3.50+

BOULDERDASH GAMES

We now have over 100 (YES 100!!) Boulderdash games in this mammoth collection. All work on any Amiga 500, 600 or 1200!!

BG001 EMERALD MINES 01
BG002 EMERALD MINES 02
BG003 EMERALD MINES 03
BG004 EMERALD MINES 04
BG005 EMERALD MINES 05
BG006 EMERALD MINES 06
BG009 EMERALD MINES 09
BG010 EMERALD MINES 10
BG011 EMERALD MINES 11
BG012 EMERALD MINES 12
BG013 EMERALD MINES 13
BG014 EMERALD MINES 14
BG015 EMERALD MINES 15
BG016 NO ONE MINES 01
BG018 NO ONE MINES 03
BG020 NO ONE MINES 05
BG021 NO ONE MINES 06
BG022 NO ONE MINES 07
BG023 NO ONE MINES 08
BG024 NO ONE MINES 09
BG025 NO ONE MINES 10
BG026 NO ONE MINES 11
BG027 NO ONE MINES 12
BG028 NO ONE MINES 13
BG029 NO ONE MINES 14
BG030 NO ONE MINES 15
BG031 EASY RUPPLE MINE
BG032 RUPPLE MINE 1
BG034 RUPPLE MINE 3
BG035 RUPPLE MINE 4
BG036 RUPPLE MINE 5
BG039 DOWN UNDER MINES 3
BG040 DOWN UNDER MINES 4
BG041 DOWN UNDER MINES 5
BG043 DOWN UNDER MINES 7
BG046 DOWN UNDER MINES 10
BG047 DOWN UNDER MINES 11
BG048 DOWN UNDER MINES 12
BG049 DOWN UNDER MINES 13
BG050 DOWN UNDER MINES 14
BG051 RECYCLED MINES 01
BG052 RECYCLED MINES 02
BG055 RECYCLED MINES 05
BG056 RECYCLED MINES 06
BG057 EAT MINES 01
BG058 EAT MINES 02
BG060 MARATHON MINES 02
BG061 MARATHON MINES 03
BG062 OZ MINE 01
BG063 OZ MINE 02
BG064 VENOM MINE 01
BG065 VENOM MINE 02
BG066 DE BOND MINE 01
BG067 DE BOND MINE 02
BG068 DE BOND MINE 03
BG071 DE BOND MINE 06
BG072 EMERALD RUNNER 01
BG073 EMERALD EATER
BG074 EMERALD HEAD
BG075 COLD CAVES
BG076 INTO THE COLD CAVES
BG077 PRO ICE MINE 01
BG078 PRO ICE MINE 02
BG079 ACE MINE 01
BG080 INTO THE HISTORY HOLE
BG081 INTO THE CRUSTY MINE
BG082 LADYBIRD MINE KIDS
BG083 BABY GHOST MINE 01
BG084 BOULDERDASH 64
BG085 BOULDERDASH CONSTRUCT KIT
BG086 BOULDERDASH COLLECTION 01
BG087 PRO BOULDERDASH 01
BG088 OFFICIAL BOULDERDASH
BG089 WONDER MINE
BG090 POOH MINE
BG091 EXEPTION 01

ASSASSINS GAMES PACKS

The best selection of PD games ever assembled anywhere now all autoboot on A1200! (though not all games will run)Something for everyone!

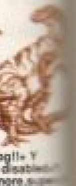
ASI 1 Tass, Rollerpede, Avatris Amigoids etc!+
ASI 2 Invaders,Bally 2,Missile command etc!+Y
ASI 3 Megaball & Drip Superb gamepack! +Y
ASI 4 Frogger Go Moku,Cracker Jampy etc!+
ASI 5 Raid, Go Loody & Retaliator+Y
ASI 6 Pacman Downhillchallenge Wellris etc!+
ASI 7 Moonbase, Trix,Nightworks Claudeeranner!+
ASI 8 Airace2,Hball,Snakepit & Numberfumbler!+Y
ASI 9 Features Battle pong & Blizzard! + Y
ASI 10 Escape, Pipeline, Pickout & Sys!+
ASI 11 Dad, Connex,Reversi Towers & Trippin+
ASI 12 Llamatron, Car, Powerpong, XFL Fab!!+
ASI 13 Twintris, Squamble,Block it,Ball etc!+
ASI 14 ChinaChallenge2 & Amiga Columns!+Y
ASI 15 Battlecars Lettrix & Manhamove!Y
ASI 16 Wastelands, Mission X,Deliverans,Pacman +Y
ASI 17 Tomcat, Defenda, Jetman Baghloster+ Y
ASI 18 Henry in Panic Skyflyer Omega race!+ Y
ASI 19 Growth,Frantic Freddy,Biplane & more!+NOT600
ASI 20 Microbes Hollywood trivia Coin drop +Y
ASI 21 Zeus Tetrix Battlements & Dragontiles+Y
ASI 22 Lemmingoids,Wizzys quest Dual Moonbeam+Y
ASI 23 Quick money,BIP,Interferon Arcadia+
ASI 24 Revenge of camels Dux Croak 3dmaze etc!+Y
ASI 25 Mr Brick,Copper,Jemeroids,E Type+Y
ASI 26 Superpacman 92 Smashtv Ashido System 4etc+
ASI 27 Addictive card games. Really good!+Y
ASI 28 Deody, DrMario, Invaders2, Madbomber2+
ASI 29 DOG, Rome, Nova, B-Bal, Atax, Quadrix+Y
ASI 30 Bounce & Blast, Total Fire Tank attack!+Y
ASI 31 Arcanum,Crazy pipe, revolution etc!+ Y
ASI 32 Blob, Soccer one & Firefighter! +Y
ASI 33 Hyperball & War! 2 good games+Y
ASI 34 Trailblazer, Yelp, Qbic Rushout! +Y
ASI 35 Poing,Snakepit,Cybernetix Jump n roll!+Y
ASI 36 Mother lode, Wonderland, Kong Tactix!+Y
ASI 37 Klakers, Ghostship, Pacom etc!+Y
ASI 38 One on One,Baldy,Skyflyer2,Transplant!Y
ASI 39 Lots of card games on this disk! +Y
ASI 40 Disk full of sliding puzzle games!+Y
ASI 41 Pacman deluxe, Hellzone Leap II etc+
ASI 42 Galaga, Intruder alert Dogs in space!+
ASI 43 Interlock Roulette Octothello etc!+Y
ASI 44 Nibbler,Mouse Impossible,Roll on etc+Y
ASI 45 Dris,Pacthorse,B-Castle Tesense etc+Y
ASI 46 Amiga Q, City,Checkers, Ouch etc! + Y
ASI 47 Elevation, Parmyos,Cravo,Arena! + Y
ASI 48 Point to point,Psycho santa etc! +Y
ASI 49 Deathbringer in space Sue 1+2 etc!+Y
ASI 50 Euphorion,Roach Motel,Bolders grove! +Y
ASI 51 Lamers, Fighting Warrior Shapes! +Y
ASI 52 Rockslide, Mouthman, & No! +
ASI 53 Venus Invaders,Mastermind etc! + Y
ASI 54 Serene,Serene II & Car Wars! + Y
ASI 55 Cl-tris, Pacattic & Asteroids! + Y
ASI 56 Stormeagle, Extreme Violence & Tiles!+Y
ASI 57 Pon-poo Dominoes Dizzy diamonds Squares+Y
ASI 58 Super raid 4 Magnatron & Manman!+Y
ASI 59 Turbo thrust GX200 & Landings! +Y
ASI 60 Pipe master2 Alien Hunter & Checkers! +Y
ASI 61 Rattlesnake Running Chaser Scad blaster+Y
ASI 62 Pipeline2 Mazeman & Up and Down ! +Y
ASI 63 Nautilus Frenzy & Drive III! +Y
ASI 64 Oblivion(fab!) Breakout con kit etc!+Y
ASI 65 Paranoids Chess Word Puzzle Word search+Y
ASI 66 Cow wars Armamermind & Asokoban! +Y
ASI 67 Siege of the Beast,E Type II & Vektor!+Y
ASI 68 Demolition Mission,Boander & Atoms!+Y
ASI 69 Klondike,Celestial Apoker Bridge etc!+Y
ASI 70 Digital Tetris, Wangle & Tetris pro!+Y
ASI 71 Numerix, Battleships & Vs Tanks! +Y
ASI 72 Escape pre, Boulderdash(not 1200) Card!+Y
ASI 73 Lexxis, Concentration & Challenger!+Y
ASI 74 Crazy pipes II,Bombjacky & Chute! +Y
ASI 75 Double-squares Colours & Diamond thief+Y
ASI 76 Gnu Chess, Cubus & Gerb! +Y
ASI 77 Balloonacy, Cliff hanger & Descender! +Y
ASI 78 Little Boulder, Headgames Fruit Panic! + Y
ASI 79 Gray Attack,Boulderdash collection II & Atomic! +Y
ASI 80 Army Miner Flip it,Golf The Gallows etc +Y
ASI 81 Amos Defence, Thunder Tron & Gorgandalo! +Y
ASI 82 Artillerys Shuttle run & Arcade Volleyball+Y
ASI 83 Loadsamoney, Pong & Spidercards! +Y
ASI 84 Enigma, Atishoo & Zerberk! +Y
ASI 85 Paradox pre, Matchcards,Rubik & Bagitman! +
ASI 86 Smartbann,Lords of Host,Legend of Lothian +Y
ASI 87 Aztec Challenge,Jonas Fallmand & Landerman+
ASI 88 Defender, Relayer & Mosaic! +Y
ASI 89 Megaball 2.1, X fire and Chardo!+Y
ASI 90 Flashbier, Startans & Minefield! +Y
ASI 91 Ronn, Matrix & Spectrum! +Y
ASI 92 Bill, Obldos, & Solitaire Sampler! +Y
ASI 93 Smash bang wallop, Mr Mark & Alien bash!+
ASI 94 Super skoda challenge,Merchamoid & Giddy! +
ASI 95 Premier pics,Tangle,Bop & Flop & Super league manager
ASI 96 Dungeon Flipper,Backgammon Tumble tots rasterblaster
ASI 97 Bannyblast,Mutants from Mars, New stubb city!+Y
ASI 98 Skychase The Phone company & Nestor cards! +Y
ASI 99 Gribli, Paranormal, Space Wars & Org! +Y
ASI 100 Bloodrunner, Patience & Monaco! +Y
ASI 101 Meltdown, Paragon Boomerang & Rothello! +Y
ASI 102 Fruit Salad, Rebound & Pacsin! +Y
ASI 103 The Lost Occrest, Wacky wabbit & Megarace!+Y
ASI 104 Wooden Ball, Operation meteor & Pork a pork!+Y
ASI 105 Particle man,Rummy & Desert defender! +Y
ASI 106 Simon,Cosmoroids II Willy worm & Micro market!+Y
ASI 107 Serene III, 4 row 3d Equalog & Yacht C ! +Y
ASI 108 Strikeball, Ringwar, Four in a row & Obana! +Y
ASI 109 Psyco Hunt,King high,Deluxe hamburg Thrallbound!+Y
ASI 110 Space rescue Tiles Zerg & Honkeron! +Y
ASI 111 Karate Worm II Stax & Billy Dragon! +Y
ASI 112 Thunderton II Aliens Tron & Step 2! +Y
ASI 113 White rabbits preview,Trek trivia & Popeye!!! +Y
ASI 114 International Cricket pre,Insectoids II & Yum yum! +Y
ASI 115 Star trek shoot up,Egyptian run Slime line & Shark!+Y
ASI 116 Blue Diamonds4 Tsch & Sorry! +Y
ASI 117 AirWarrior, Triple Yachtzee & Youpi! +Y
ASI 118 Zombies, Armymines 14 & The last Tetris! +Y
ASI 119 Robsaliths, Speedcards) &Trek trak/backgammon!+Y
ASI 120 FireMaster, Super blockout & Trax! +Y
ASI 121 Chainsaw massacre, Brainbow & Worm! +Y
ASI 122 Boulderdash collection,Project Buzzbars& Xenon!!+Y
ASI 123 Artilleros II, Lamerhog & Yahtzee! +Y
ASI 124 Mr & Mrs, Elevation II & Hmer backgammon! +Y
ASI 125 Namegame, Marbleslide & Snake! +Y
ASI 126 Short out, Kymasion Kid & Dodge cars! +Y
ASI 127 Shanghai 93, Lazer Zone & Ooo! +Y
ASI 128 Space Invasion,Deluxe pacman! 4& Solarys wars+Y
ASI 129 Boulderdash Royal, Trax & Trax editor! +Y
ASI 130 Chain Reaction, Batman & Uggo! +Y
ASI 131 Tykkipeli, Tetron & Skeet shooting! +Y
ASI 132 Firefly, Quantum & Pac mac! +Y
ASI 133 2nys, Proker and Syzygy. +Y
ASI 134 Cross circuit, Fwaff & Circuit wars! +Y
ASI 135 Gamemon 1.3,Ack-Ack, Pipeline2 & Tetris! +Y
ASI 136 Hot blox, Super pong & Sniffbark! +Y
ASI 137 Blockster, Escapade & Squigs! +Y
ASI 138 Galactoid, Scorched Tanks & Air hockey! +Y
ASI 139 The Big Game, Bat dog & Amigaroid. +Y
ASI 140 Fatal Mission II,Chronic hedgehog Megaworm+Y
ASI 141 Black dawn, Reversi II & Gold Rusher! +Y
ASI 142 Raeda, Galaxy 93 & Courtroom! +Y



COMPTECH PRO COMMERCIAL CLIPART!

This is a brand new range of clipart designed exclusively for UPD! These images are of very high quality and detail and are priced at 3.50 per disk! All images are in IFF format and may be imported into most packages! PC versions available!!

CT001 TRIASSIC DINOSAURS CLIPART The first age of Dinosaurs! only 3.50!+
CT002 JURASSIC DINOSAURS CLIPART 1 Suberb quality clips! only 3.50!+
CT003 JURASSIC DINOSAURS CLIPART 2 More super Jurassic art! only 3.50!+
CT004 CRETACEOUS DINOSAURS CLIPART 1 This is T rex's era! only 3.50!+
CT005 CRETACEOUS DINOSAURS CLIPART 2 Triceratops, T rex etc only 3.50!+



UTILITIES

PU002 A-GENE Good geneology program + Y
PU004a/b A64 EMULATOR NEW VERSION 2.0 (2)
PU005 AMATEUR RADIO 1 Interest to radio hams + Y
PU010 ARP 1.3 Amigados requester system!+
PU012 ASI GRAFFIX UTILS graphics convertors etc+Y
PU013 ASI BOOT UTILITIES bootblock utilities + Y
PU021 C-LIGHT RAY TRACER Good program+ Y
PU022 CHEMESTHETICS molecule displayer + Y
PU036 CURSER BASIC COMPILER Just what you need!+
PU037 D-COPY The best PD disk copier & more + Y
PU039 DBW The forerunner to Skulpt 3D !!! + Y
PU055 ELECTROCAD DEMO circuit designer +
PU062 GRAPHICS UTILITIES Various misc. programs+Y
PU063 HAMLAB PRO V2.06Convert VGA PC >IFF/HAM + Y
PU064 HARDDRIVE UTILS MRBackup & FixDisk & more+Y
PU065 ICONMANIA Program icons & more !+ Y
PU066 ICONS Cramm packed with icons !+ Y
PU067 IMPLODER V4.0 Megacrunching Util+ Y
PU069 JAZZBENCH Alternative Wb for 1.2/3 users.
PU071 JR COMM 1.02 Modem users comms package Y
PU072 METALLION UTILS Font Editors & more utils+ Y
PU073/76 KING JAMES BIBLE Old&New testaments (4)+ Y
PU078 M-CAD Hires design package. Excellent + Y
PU080 MESSY-SID 2 Read/Write PC Files, Brilliant!+ Y
PU083 MORSE PROGRAMS for the radio hams. Y
PU086/7 NORTH C 1.3 (2) Complete C compiler & libs+ Y
PU088 NORTH C 1.3 This is the packed 1 disk version!+Y
PU095 PRINTER DRIVER GENERATOR & new drivers+ Y
PU097 PRINT STUDIO V1.25 Prints pics & text etc.+ Y
PU108 ROT A simple 3D drawing package.Very popular.+Y
PU109/10 (2 disk) Structured clipart for Ppage + Y
PU112/3 SOMETHING FOR NOTHIN Video Utils&Fonts+ Y
PU115 ST EMULATOR Run Atari ST software !! 2 Drives
PU117 SUPERKILLERS Virus Killers! You need this! +
PU121/2 TV GRAPHICS Dpaint backdrops&Fonts+(2) Y
PU124 ULTIMATE ICONS Iconmaster,Iconlab,+ Y
PU125 ULTRAPAINT v3 A nice paint package!
PU129/30 VIDEO APPLICATIONS Video utilities+ Y
PU139 GRAPHICS CONVERTERS PC>AMiga gfx Converter
PU140 LITTLEBENCH File copier & utils Dos2 only
PU143 OPTIUTILS 1 Crammed full ! Get it+ Y
PU144 OPTIUTILS 2 Get this disk too ! + Y
PU149 ELECTRONIC PROTOTYPER Veroboard designer Y
PU152/66 CLIPART SET: 15 Disks of the BEST clipart +Y
PU167 MULTI-PLOT Superb data plotting program ! +
PU177/8 BENCHMASTER Windowsbench & Messysid!!
PU180 RICHARD SMEDLEY COMP Vat Checker & more.
PU182 STOCK ANALYST Technical analysis program+Y
PU183 AMYGEN Excellent geneology program+Y
PU189 TRONIK VIRUS KILLERS 21 virus killers & docsY
PU191 LANDBUILDER fractal land generator+Y
PU192 SID 2 Get this ! directory util !!! MEGA!+Y
PU197 MOBED 2 Dpaint for Sprites & bobs+Y
PU198 VIDEO WIPES Masks & fades Dpaint 3/4 +Y
PU200 LITTLEBENCH 1.3 Now for 1.3 owners!
PU202 CYCLOPS Weird Plasma/fractal creator ! +Y
PU203 SCOPE 184 utils & clips for Ppage Y
PU204 GATOR GRAPHICS Dpaint tutorial disk.+
PU205 PC TASK PC Emulator Now Version 2 VGA! +Y
PU207 MULTISID Combine SID2 & Multidos(PC>AMIGA)+Y
PU208 ASI HANDYTOOLS 3 mega compilation of utils Y
PU209 FRED FISH CATALOGUE contains FISH 1 - 890 +Y
PU210 PCQ PASCAL Latest version of this pascal compiler+
PU215 CAPTIONATOR Superb shareware video titling!+Y
PU219 WBHACKS+ collection of hacks for + owners+ Y
PU221-225 8 COLOR ICONS Hundreds of new icons +Y
PU229 JPEG 24 bit graphics compression util disk! +Y
PU230 MORE PRINTER DRIVERS new printer drivers!+Y
PU240 FREECOPY V1.4 powerful disk copying program!+Y
PU241 CALORIE BASE Useful for people on a diet!+Y
PU243 ASPICE Circuit analysis program!+Y
PU244 BON APPETIT This is a recipe database program!+Y
PU245/256 C MANUAL Latest version on 12 disks! (12) +Y
PU262 RICHARD SMEDLEY COMP II Mortgages etc!+Y
PU263 LYAPUNOV Fabulous & unusual fractals!!+Y
PU272 GOLF RECORDER Database for golf scores!+ Y
PU273 PC<>AMIGA Similar to Messysid, + docs!+ Y
PU274 TRONICAD V1.0 Electronic circuit design!+Y
PU279 V MORPH V2.30 Yes a PD morphing prog!!+ Y
PU280 POOLS WIZARD Pools prediction,save disabled!+Y
PU282 ASI MULTIVISION 2 Imagelab,Wasp & more,super
PU285 WORKBENCH 3 BACKGROUNDS, 1200 ONLY
PU286 INSCRIPT Program for Video titling! +Y
PU287 NUMPAD Numeric keypad emulation!(600 ONLY)
PU288 ENGINEERS KIT Test your Amiga system! +Y
PU289 AUDIO ANIMATION STUDIO Create your own! +Y
PU291 1200 WORKBENCH HACKS Useful utils! Y
PU292 1200 UTILS1 Gif & PCX datatypes etc!A must!Y
PU293/317 25 disks of Ham radio software! (25)+Y
PU318 POWER UTILS Utils written in Can Do! +Y
PU324 WINEMAKER Database for winemakers! +Y
PU325 EZASM LAZ! & A68K Programmers disk! +
PU326 PLOTTER Plots two dimensional functions!+Y
PU327/8 X BENCH all round replacement! (2) +
PU329 BCFORTRAN77 Programmers development system
PU330 SLEEPLESS NIGHTS Utils useful for 1200!Y
PU346 EXOTIC RIPPER V2.10 Soundtracker ripper! +Y
PU347 RAVE GENERATOR Plug in a sampler(1mg chip)
PU348 SPEED UTILS Fixdisk Headclean Snoop & more
PU349 NCOMM V3.00 The latest version comms disk! +Y
PU350 KINGFISHER Fish database 1-840 (packed) +Y
PU351 ASI FIX DISK Get old programs running on dos2/3
PU352 HP 550C & Cannon Bubblejet printer drivers! +Y
PU353 TAB MASTER Music to Guitar translator prog! +Y
PU356 SUPERDARK Superb & unusual screen blanker! +Y
PU357 CANON PRINT STUDIO A must for BJ owners! +Y
PU358 PPAGE TEMPLATES,GENIES etc. Very useful!+Y
PU359 PRO PAGE HELP DISK Extremely useful disk!+Y
PU360 WINDBLEND Super effects but 1200 only! Y
PU361 XPK COMPRESSION UTILS compression progs
PU365 ATTIC & BLITT Useful to C programmers! +Y
PU366 WB2 UTILS Full of obscure but useful utils! +Y
PU367 PE PRINT UTILS Lots of useful labelling progs+Y
PU368 IMAGEBASE RUNTIME Standalone for CLU27+Y
PU369 TV TITLES DEMO Shareware Titling program! +Y
PU370 24 BIT UTILS Rend 24 & more useful utilities!+Y
PU371 AMOS PRINTER ROUTINE For own Amos progs
PU372/3 PARNET SOFTWARE Link 2 Amigas! (2)+Y
PU374 1200 UTILS 3 More new 1200 utilities!+Y
PU378 GRAPHPRO V1.1 Shareware graphics program!+Y
PU381 SPECTRUM EMULATORV1.7 Works on ALL!! +Y
PU382 SUPERVIEWER V2.4 assemble slideshows+Y
PU383 WORD UTILITIES Super word puzzle solver! +Y
PU384 THE GENEOLOGIST Superb Family database! +Y
PU385 LEMMINGS 2 HD Installer, just what you need+Y
PU386 KITE SIMULATOR The only one available! +Y
PU387 REORG A good disk & Harddisk optimiser! +Y
PU388 1200 HD PREP For all 1200 owners! Y
PU389 HD CLICK The latest version! +Y
PU392 GUMBYS FRACTAL GENERATORS A selection! +Y
PU393 ASI FIX DISK 2 Second exellent fix disk! +Y

SLIDESHOWS

PS002 ADVANCE HAM Really stunning !+ Y
PS008 AIRCRAFT SLIDE Pics of fighter aircraft!+Y
PS009 ASTRONOMY SLIDE very impressive!+Y
PS013 BORN TO BE FREE wild animals +Y
PS033 GERMAN RAY TRACE Superb See these !+
PS045 KELLY S/S Some quality HAM pictures.+Y
PS056 NEWTEK DYNAMIC HAM 640x512 4096 color pics+
PS062 NW DYNAMIC HAM Nik Williams Superb quality.+
PS072 SUPER HAM CARS This is a must-Mega!+ Y
PS086 SONIC 5 Superb D-HAM 4096 colour pics+
PS101 ANALOGUE SLIDE Ray traced space pics! +Y
PS103 DYNAMIC HIRES 3, 4 fantastic quality pictures!+
PS107 ALCATRAZ MUSEUM Superb pictures! +
PS115 THE GATHERING 93 Stunning pictures here! +Y
PS117/8 NIGHTBREED AGA SLIDESHOW Super(2)1200
PS119 CYNOSTIC SLIDESHOW Superb pictures!1200 only
PS120 KEITH RHODES SLIDE 3 fantasy pics!1200 only Y
PS122 FERRARI AGA great 256 colour pictures1200only
PS124 TC VISTA PRO LANDSCAPES Exelent!(Not 1.3)+Y
PS125 REVELATIONS SLIDE staggering quality art!+Y
PS126 SCHMEGEGI COMIC STRIP Nice pictures! +Y
PS127 AKIRA PICS 2 Some superbly drawn pictures! +Y
PS128 MAGIC FACTORY Ray traced trek pics1200 ONLY
PS129 AIRSHOW 1 Exellent aircraft ham slideshow! +Y

ORDERING MADE EASY

BY POST: send your Name, Address & Order details with a Cheque / PO / IMO to any of the companies listed

BY PHONE: Call us with your card number expiry date and details for a 1st class service. All major cards accepted

PD PRICES: 1 - 5 disks £2.00 per disk • 6 - 25 disks £1.25 per disk • 26 or more disk are still only 99p per disk !

POST & PACKING: UK - 50p • UK 'Recorded Delivery' £1.25 • Europe +25p per disk • Rest of World +50p per disk

REMEMBER: We stock Fish 1-900, Tbag 1-74, Amos, Scope, Snag, Amicus, Amigos & lots more superb PD disks!!

PLEASE NOTE:
All disks on the advert should work on the Amiga 1.2/1.3 dos systems unless otherwise stated! All disks with a "+" sign should work on the Amiga 500+ & 600 machines! However there are so many different setups now in use it is becoming impossible to test for every possible variation, so please use some caution especially with A1500/2000 with various dos systems, CDTV and of course the new Amiga 1200 & 4000 systems. Disks marked with a "Y" should be okay on the A1200 / 4000 though obviously not yet extensively tested. Please take care!

Domain Distributors

at the imitators !

P S D

CLASSIC CLIPART

SCIENCE:
256 colour hires pictures! 1200 only!order
WAGA1 - 5

SCIENCE SUPER HAM:
262000 colour hires raytraced & digitised
hardly any different to the 24 bit originals,
PC owning friends and watch them weep!
SH1-15 .... 15 Super discs!

GA6 + 7 JPEG loaders!! These disks contains
Jpeg pictures which unpack in ram to display
Superham 8 on a 1200/4000 machine!! Brilliant!
GA8-12 5 Jpegs of wildlife pics,16 megabytes
per disk! displays as superham on 1200!

GA13 24bit Jpeg Vista landscapes!

24 BIT PICS!
amazing 12 disks full of brilliant 24 bit pics by
Rigel! Remember you need tons of memory &
form of 24 bit display to view, or convert to
JP1-12.

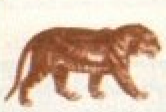
CLASSICAL MUSIC

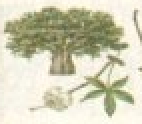
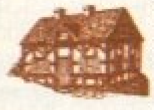
AMIGADEUS CLASSICAL Eine Kleiner etc. +Y
CLASSICAL MUSIC Bach, Handel etc +Y
DIGITAL DEBUSSY Fab 8 Raster conversions!+Y
DIGITAL DEBUSSYII classical Debussy music!+Y
RHAPSODY IN BLUE tracked by Rob Baxter! 1MY
VIVALDI - FOUR SEASONS (2) V.Good +Y
MOZART HORNCONCERTOS need 1mg chip+Y
BACH BRANDENBURG CONCERTOS 1 to 6 +Y 3
DESKTOP HARPSICHORD RECITAL Classical +Y
NUTCRACKER SUITE Super rendition!+Y
CLASSIC WORKS Grieg & Bach classics! +Y
SONIX MUSIC Some nice scores here!(loadwb)+Y
CLASSIC GOLD Bach Toccata& Fugue (1mg chip)
MOZART FLUTE CONCERTOS 1mg chip! +Y
HANDELS FIREWORKS MUSIC (1mg chip) +Y

AMOS PD

AMOS UPDATER LATEST VERSION v1.36 +Y
DUNGEON DELVER Roam around collect keys(2)+
PIXIE KINGDOM Good exploration game (2) +
SHAPES Excellent kids game !+Y
CASSETTE LABELLER + MIXED SOURCE+Y
WIZARDS DOMAIN graphical adventure+Y
TOTALLY AMOS Good read for programmers!+Y
NOTEBOOK & SHOPPING LIST Easy to use !+Y
FAMILY HISTORY DATABASE Latest version!+Y
COMPILER 1.36 UPDATE, LATEST compiler !+Y
KARATE WORM Nice little game! +Y
DRIVER TEST Test the speed of your reactions!+Y
SLIDESHOW CONSTRUCTION SET V2! +Y
NODDY'S PLAYTIME Educational demo! +Y
RAMOS PRO For Amos Professional! +Y
TOP OF THE LEAGUE Football manager!+Y
AMOS PRO UPDATER V1.12 Just in!!! +Y







COLOURED CLIPART

This is a superb collection of coloured clipart, mostly in Ham mode (4096 colours), though some is in 16 colours. Can be loaded into Deluxe Paint 4 or any other package accepting Ham pictures! (OK on 500, 500+, 600, 1200 & 4000!)

CCL001 MAPS, Afganistan - Botswana, autoboots! +Y
CCL002 MAPS, Brazil - Checkoslovakia, autoboots! +Y
CCL003 MAPS, Denmark - Grenada , hires maps! +Y
CCL004 MAPS, Guadel - Illinois, hires maps! +Y
CCL005 MAPS, India - Luxembourg, hire maps! +Y
CCL006 MAPS, Macau - Mississipi, autoboots! +Y
CCL007 MAPS, Montana - New York, hires maps! +Y
CCL008 MAPS, Neutral Zone - Iraq - S Dakota! +Y
CCL009 MAPS, Senegal - Tunisia, autoboots! +Y
CCL010 MAPS, Texas - Zimbabwe, autoboots! +Y
CCL011 REPTILES, good pictures, autoboots! +Y
CCL013 ACTORS, famous faces, autoboots! +Y(2)
CCL015 AIRCRAFT, 1-26, assorted, autoboots! +Y
CCL016 AIRCRAFT, 27-32 & Cars! autoboots! +Y
CCL018 BIRDS, 1-12 Super pictures, autoboots! +Y
CCL019 BIRDS, 13-29 More avian pictures! +Y
CCL020 BIRDS, 30-41 Lots more bird pictures! +Y
CCL021 BIRDS, Many more bird pics, autoboots! +Y
CCL022 BIRDS, And some more fab pictures! +Y
CCL023 BIRDS, 116-130 Some good pictures! +Y
CCL024 BIRDS, 131-138 More bird pictures! +Y
CCL026 BIRDS, More superb pictures here! +Y
CCL027 CATS, 1-16 Super cat pics,autoboots! +Y
CCL028/35 DOGS, 1-126 Super dog pics,8 disks! +Y
CCL036 EXPLORERS 1-13 famous explorers,autoboots!+y
CCL037/40 FISH 1-92 Super pics pictures,(4 disks)+y
CCL041 FLOWERS 1-13 Flower pictures,autoboots!+y
CCL042 FLOWERS 14-25 More flower pics,autoboots!+y
CCL043 FLOWERS 26-37 Lots more flower pics,autoboots!+y
CCL044 FLOWERS 38-50 More flower pics,workbench!+y
CCL045 FLOWERS 51-62 More flower pics,autoboots!+y
CCL046 FLOWERS 63-74 More flower pics,autoboots!+y
CCL047 FLOWERS 75-87 More flower pics,autoboots!+y
CCL048 FLOWERS 88-100 More flower pics,autoboots!+y
CCL049 FLOWERS 101-113 More flower pics,autoboots!+y
CCL050 FLOWERS 114-127 More flower pics,autoboots!+y
CCL051 FLOWERS 128-138, FRUIT 1-4 pics,autoboots+y
CCL052 FRUIT 5-18, Good pictures! autoboots! +Y
CCL054 FRUIT, More fruit & leaves etc!,autoboots!+y
CCL055 FRONTIER 1-13 Pioneer pictures,autoboots
CCL056 HORSES 1-16 Great horse pics,autoboots!+y
CCL057 HORSES 17-22, Insects 1-9, autoboots! +Y
CCL058 INSECTS 11-23 Small creatures! +Y
CCL059 INSECTS 24-41 More pics! autoboots! +Y
CCL060 INSECTS 42-56 More insects! autoboots! +Y
CCL061 INSECTS 60-63, Inventors 1-11 autoboots! +Y
CCL062 INVENTORS 12-24 More inventors autoboots! +Y
CCL063 INVENTORS 25-30, MAMMALS 1-10! autoboots! +y
CCL064 MAMMALS 11-26 More animals pictures! +Y
CCL066 MAMMALS 45-65 more mammals autoboots! +Y
CCL067 MAMMALS 66-82 and some more autoboots! +Y
CCL068 MAMMALS 83-102 and many more autoboots! +Y
CCL069 MAMMALS 103-119 many more! autoboots! +Y
CCL070 MAMMALS 120-141 more pictures! autoboots! +Y
CCL071 MAMMALS 142-158, & INSTRUMENTS 1-4! +Y
CCL072 INSTRUMENTS 4-25 Musical! autoboots! +Y
CCL073 INSTRUMENTS 26-36, MILITARY 1-6 autoboots +Y
CCL074 MILITARY 7-17,& MUSICIANS 1-4! +Y
CCL075 MUSICIANS 5-21 Classical autoboots! +Y
CCL076 PREHISTORIC 2-19 Dinosaurs! autoboots! +Y
CCL077 PREHISTORIC 20-25, PEOPLE 1-8 autoboots! +Y
CCL078/80 PEOPLE 9-50 Lots of people! (3 disks) +Y
CCL081 PEOPLE & Presidents, good pictures! +Y
CCL082/4 PRESIDENTS 1-40 USA presidents,3 disks +Y
CCL085 REPTILES 1-19 Good pictures,autoboots! +Y
CCL086 REPTILES 19-38 More reptiles! autoboots! +Y
CCL087 REPTILES 39-50, Ships 1-9,autoboots! +Y
CCL088 SHIPS 10-33, Marine vessels! +Y
CCL089 SPORTSMEN, Various sportsmen,autoboots! +Y
CCL091 TREES, Lots of tree pictures! autoboots! +Y
CCL092 TREES, Lots more tree pics! autoboots! +Y
CCL093 TREES, And some more trees! +Y
CCL094 TREES 57-70 trees lots of trees,autoboots!+y
CCL095 TREES 71-84 more tree pictures, autoboots!+y
CCL096 TREES 85-100 even more trees,workbench!+y
CCL097/100 VEGETABLES 1-48 good pics 4 disks,workbench+y

COLOUR BRUSH CLIPART

Saved as brushes so they can be pulled easily into Dpaint!

CB001 Lots of brushes on an art & schoolwork theme. +Y
CB002 Lots of brushes of stores food,garden home & more! +Y
CB003 Lots of brushes on a sporting theme (142 brushes) +Y
CB004 Lots of brushes on a food & confectionary theme! +Y
CB005 Lots of brushes, 155 pics on a financial theme. +Y
CB006 Lots of brushes of cute cartoon caracters! +Y

CDROMS/CDROMS/CDROMS/CDROMS/CDROMS/CDROMS/CDROMS/CD

AMIGA CD ROM COMPACT DISCS!

Superb CD roms for your CDTV, CD32 or A570 add on!

CDPD 1 Features Fred Fish 1-660 , hundreds of music modules, & much much more! 19.95.

CDTV DEMO DISK Over 600 megabytes of demos, samples, games, clipart, animations & 1000 modules to play 19.95.

CDPD 2 This CD contains Fred Fish 661-760, the Scope library 1-220, The AB20 archives & much more! 19.95

CDPD3 This latest CD from Almathera contains Fish761-890,tons of clipart,Ham8 & Jpeg pics, Classical books & much more! 19.95.

CD DEMO COLLECTION II Exellect CD containing over 100 ready to run games,anims, 6000 sound samples,IFF pictures, modules,demos & much more! Only 19.95.

Please add 50p per CD for P&P.

NEW WEIRD SCIENCE MULTIMEDIA TOOLKIT CD ROM!

This is a superb CD Rom, filled to the brim with over 10,000 files, 500 24bit jpeg images & 500 Ham8 & Ham interlace versions,Hundreds of megabytes of clipart, (iff black & white,colour and scaleable),Hunreds of iff fonts, Compugraphic fonts & coloured fonts, icons, music modules, music samples and lots more! Includes utilities to view & listen to the files, a front end menu program & slideshows! Superb for multimedia presentations! Works on CDTV, CD32, Amiga CD Rom & is also PC compatible onsuitable PC CD Rom! Superb value only 19.95. +50p p&p.



2 JPEG IMAGES FROM CD ROM!!!



NEW! UPD GOLD LICENCEWARE! MAD FIGHTER 1200!

Suberb new 3 disk fighting game for the 1200 only! This will keep you busy for ages as you try to defeat one opponent after another. Huge sprites and fast gameplay make this an essential 1200 game!
A UPD Licenseware product only 5.99+50p p&p.



2 IMAGES FROM MAD FIGHTER!!



GAMES

PG006 ANTEP & SLOT CARS role playing game+ Y
PG021 ATIC ATAC Really playable game! + Y
PG023 BATTLEFORCE strategy war game!
PG024 BLACKJACK A good card game! +
PG026 CASTLE OF DOOM Excellent! Get it + Y
PG028 COLOSSUS & WORLD Fab adventures !+ Y
PG031 DARKSTAFF Spec emulated text adventure!+
PG032 DRAGONS CAVE D&D style game Mega+ Y
PG034 ETERNAL ROME Strategy & DOMINOES+ Y
PG046 HACK Great text adventure-infocom style! +Y
PG047 HOLLYWOOD TRIVIA Nice Trivia Game! +
PG048 HOLY GRAIL One of the best Text adventures+ Y
PG053 LARN A superb text adventure game + Y
PG059 LORE OF CONQUEST space trading D&D game Y
PG062 MENTAL IMAGE 1 Gridrunner invaders & rebound+
PG063 MORIA Classic adventure now version 5.4! +Y
PG064 NAPOLEONIC WAR SIMULATOR A strategy game!
PG068 NO MANS LAND Hi tech war game-shoot em up. +Y
PG070 PETER'S QUEST Rescue the maiden platform!+
PG071 POM POM GUNNER Like beach-head on the 64+Y
PG072 PROPERTY MARKET Become a millionaire !!!
PG073 RAPHAELS REVENGE Turtle game in SEUCK!+
PG074 RETURN TO EARTH Elite space trading game! +Y
PG076 SEVEN TILES Speedball type game MEGA!
PG079 SEALANCE A submarine strategy game +Y
PG101 THE INSIDERS CLUB Stocks & shares game
PG121 A500+ GAMES PACK 21 games to run on a plus+Y
PG124 TOTAL WAR This is a good risk type game! +
PG127 AIRMANIA Super platform game from Addware + Y
PG128 CHEAT WORKS Stacks of new cheats.
PG129 PUGGLES Brilliant Q*Bert game!
PG131 ATLANTIS A nice looking strategy game!+
PG138 BATTLE OF BRITAIN & WAR strategy War games!
PG139 DUNGEONS OF MADROJ Excellent D&D game+Y
PG140 MIND GAMES Stacks of fun with this!
PG149 A NIGHT AT THE TOWN Witty text adventure!+
PG153 WAR very good strategy/arcade game+Y
PG154 NUMPTY & ALIEN INVADERS Manic miner type game
PG159 MR BRICK Great mario type collect coins game!
PG164 GAME TAMER 2.3 joystick tester & 268 cheats!+
PG165 SOLID SQUAD Nice little driving game!
PG168 WHATSITSNAME Great new puzzle game just in.
PG174 AMOS CRICKET Shareware cricket game,1 or 2plr+
PG175 SPACETRAX 2 player shoot each other up game+Y
PG178 MENTAL IMAGE 2 Three Excellent new games +
PG180 SECTOR 1 A nice game similar to Alien Breed+
PG182 ETHOS Simple graphical adventue Sinbad style+Y
PG183 CATACOOMBS great D&D style game. VG.GFX +Y
PG184 FATAL MISSION Very good Shootemup game +
PG190 TOP SECRET An exelent quality platform game!+
PG191 ACT OF WAR New space strategy game! +Y
PG194 INTRUDER ALERT Very good strategy game!
PG199 CASHFRUIT Nice fruit machine game! +Y
PG200 ALL ROUNDER CRICKET New cricket game!+Y
PG202/3 IRON CLADS Good strategic war game!(2)Y
PG205 SOCCER CARDS Football managing game!+Y
PG218/9 CLASH OF THE EMPIRES Super strategy!+ Y
PG255 KINGDOM AT WAR Nice strategy war game!+Y
PG256 LCD DREAMS 4 small LCD games! +Y
PG257 THE FUNHOUSE Enigma,Thundertron & a slide!+Y
PG258 AGA TETRIS 1200 tetris game & more! Y
PG259 PICTURE PUZZLE Solve picture jigsaws!+Y
PG260/1 18TH HOLE A nice golf game! (2) +Y
PG262 AGA CHESS Needs 4mg of ram to play! AGA ONLY.
PG266 BOX ADVENTURE Nice shareware adventure+Y
PG267 SLAMBALL V1.1 Futuristic Management sim! +Y
PG272 MAYHEM 2 Multiplayer manic maze game! +Y
PG273 MUGSIE Money making gangster adventure!+Y
PG274 ROULETTE & PUNTO 2 nice games (not 1.3)+Y
PG275 BLITZ GAMES Worm Buzzbar Speed+insectoids+Y
PG279/80 OLYMPIAD 2 disk Lemming olympic events(2)+Y
PG281 CAVEFLIGHT Simple dodge the obstacles game+Y
PG283/4 EXORCISM Good 2 disk adventure+graphics+Y
PG286 MYSTERY 2144AD Nice text adventure! +Y
PG289/90 NECESSARY ROUGHNESS American football+Y
PG291 TITANIC CHEATS Hundreds of useful cheats! +Y
PG293 MR BROWNSTONE Lots of rooms, good!! +Y
PG294 INTENSE Another nice shoot em up! +Y
PG295 THRUST DUEL Control ship against gravity+Y
PG298 FATAL MISSION 2 Superb blasting shoot up!+Y
PG299 ASI WORKBENCH GAMES Good set of games! +Y
PG300 ASI WORKBENCH GAMES II And some more! +Y
PG301/2 MOTOROLA 020 INVADERS For 1200 ONLY!(2)
PG303 MAD FIGHTER Fab PD version !1200 ONLY.
PG304 KUNG FOO CHARLIE Great little platformer!+Y
PG305/7 KLONDIKE II AGA Exellent,3 disks 1200 ONLY.

EDUCATION

PE001/5 EDUCATION SET science programs for age 11+ +Y
PE006 KIDSPAINT Fab little talking colouring book+Y
PE007/8 LEARN & PLAY Maths, spelling etc. 5-10 yrs +Y
PE009 STORYLAND 2 Save toyland from the witch! +Y
PE010 TOTAL CONCEPTS ASTROMOMY Book on disk.+Y
PE011 TOTAL CONCEPTS DINOSAURS Book on a disk+Y
PE013 SIMON & SPACE MATHS Talking maths program
PE014 SPANISH, FRENCH, GERMAN TUTOR+Not 600!
PE016 COLOUR THE ALPHABET learn letters & colours! +Y
PE018 TYPING TUTOR, Superspell Budget & Macalender+Y
PE019 DUNKS DTP A sort of DeskTopPublisher for kids +Y
PE020 MATHS DRILL Good maths disk for the young! +Y
PE021/4 SCIENCE Very good four disk set!+ (4)Y
PE025 FRACTIONS & SILHOUETTES Good maths tutor+ Y
PE026 WW II FACTS Good historical program!+ Y
PE027 AMIGA BEGINNER Learn to use your machine+ Y
PE028 MATHS ADVENTURE Solve questions to progress+Y
PE030/2 DESKTOP GUIDE TO ELECTRONIC MUSIC! +Y
PE033 MATCH WITH HUMPTY Match the objects! + Y
PE034 WORLD GEOGRAPHY Quite useful disk! +Y
PE035 KIDS DISK1 Super to learn reading! +Y
PE036 FIREWORKS ALPHABET Good for kids! +Y
PE037 HOORAY FOR HENRIETTA Superb preview!+Y
PE038 HENRIETTAS BOOK OF SPELLS Fab preview!+Y
PE039 COLOUR IT Exellent little colouring pad!+Y
PE040 HOW THE EARTH BEGAN The full story! +Y
PE041 SINGALONG NURSERY RHYMES Good fun! +Y
PE042 CHILDRENS FAVOURITES More fun! +Y
PE043 PICTURES & LETTERS For very young 1mg chip+Y
PE044/5 AMERICAN FOOTBALL Learn the game(2)!+Y
PE046 TOTAL CONCEPTS DINOS 3 PREVIEW Superb +Y
PE047 ASI BACK TO SKOOL1 Style Count & Words +Y
PE048 ASI BACK TO SKOOL2 Simon Cal maths train etc+Y
PE049 BACK TO SKOOL3 Treasure search,Reflex etc+Y
PE050 THE LITTLE TRAVELLER Learn about countries+Y
PE051 BODYPARTS Superb preview of full program! +Y
PE052 COMMUNICATE Superb sign language teacher! +Y

BUSINESS

PB001 AMICASH bank management program+Y
PB002/3 ANALYTICALC Superb spreadsheet!+ (2)Y
PB004 ASI LABEL PRINTERS 3 of the best+Y
PB005 BANKIN control your cheque book! +Y
PB006 BUSINESS CARD MAKER Nice program+
PB007 CLERK Complete accounts package+Y
PB008 DESKTOP PUBLISHER Simple to use +Y
PB009 FLEXYBASE DATABASE Address keeper+Y
PB011 MISC.BUSINESS Geotime, Grocery list, Calc
PB013 QED Simple & effective text ed+Y
PB014 RIM DATABASE Fully relational !!+Y
PB015 TEXTPLUS V3.00 The BEST Wordprocessor +Y
PB017 VISICALC SPREADSHEET Simple to use+Y
PB019 BUSINESS LETTERS contracts, letters + more+Y
PB020 TEXT ENGINE 4.0 THE LATEST Version !!! +Y
PB022 BBASE IIIv1.3 Latest version of super database+Y
PB023 FORMS REALLY UNLIMITED form creation prog+Y
PB024 LAST WILL & TESTAMENTS Just in case !+Y
PB025 EDWORD Brand new wordpro - V.good +Y
PB026 AGRAPH Superb Program graphing data +Y
PB028 LITTLE OFFICE Intergrated Wpro,Sst,Dbase,Gfx+Y
PB029 ADDRESS PRINT Good label printing program! +Y
PB030 THE MONEY PROGRAM Home accounting! +Y
PB031 EASYCALC A superb new Fast spreadsheet! +Y
PB033 A BASE A shareware database program! +Y
PB034 ILLINOIS LABELS Super label program!+Y
PB035 BUDGET V1.34 manage personal finances!+
PB036 CHECKBOOK ACCOUNTANT V2.01 superb! +Y
PB037 AMIBASE PRO II Latest version of database! +Y
PB038 BUDDBASE V1.2 Very nice easy to use database+Y
PB039 BANK V1.0 A nice banking program! +Y
PB040 PAY ADVICE ANALYSER V3 Latest version! +Y
PB041 AMIGAWORD A useful geographical database!+Y
PB042 EASYCALC PLUS+ Improved, only dos 2 or over!+Y
PB043 ACCOUNT MASTER Home finance program. +Y

DEMOS

PD002 ALARM MEGADEMO Acid type video demo!+Y
PD005 AMOS 3D DEMO Shows some great effects!+Y
PD018 CHAOS ROCK Fab light show with fractals!+
PD068 PHENOMENA ENIGMA Absolutely brilliant! +Y
PD076 PLASMUTEX Good plasma & great music +
PD093 SCOOPEX CHROMIUM Superb demo.+Y
PD094 SCOOPEX MENTAL HANGOVER A classic+
PD097 SILENTS GLOBAL TRASH Incredible!!+
PD130/34 ALCATRAZ ODDESSY Awesome!! Ok on 500+!
PD154 DECAY GET FROGGED Superb quality! +Y
PD165 DARK DEMON Mega new demo ...get it! +Y
PD170 PIECE OF MIND Good 3D vector effects. +Y
PD171/2 SILENTS EXPOSE(2) Incredible Get it !+Y
PD177/8 TRSI TIME ZONE New, some good effects!+Y
PD182 SPACEBALL Absolutely brill,needs 1meg chip!+Y
PD183 DIGITAL LETHAL EXIT Good vectors demo! +Y Y
PD185/6 ANDROMEDA MIRROR Fab Music & Graphics!+Y
PD187 HOY AGA DEMO 1st 1200 demo,a must! 1200 ONLY
PD188 SANITY WORLD OF COMMODORE Super demo+Y
PD189/90 SILENTS DEMON DOWNLOAD Fab demo! (2) +Y
PD197 MOBIL DESTINATION UNKNOWN by Spaceballs+Y
PD200 PHOENIX DEMO Inc Flashy rave demo!+Y
PD201 1200 INTROS Yes, some AGA intros at last! Y
PD202 TECHNOLOGICAL DEATH Freaky techno rave +Y
PD205 FAIRLIGHT ILLUSION Good demo 1mg chip! +Y
PD206 MELON HOW TO SKIN A CAT Nice effects! +Y
PD207 NEMAL BOUNDLESS VOID good effects & music+
PD208 HOI AGA DEMO 2 2nd fab demo for 1200 only! Y
PD209 STONE ARTS ATMOSPHERE Nice demo. +Y
PD211 POSEIDON CEREBAL LOBOTOMY Great,not1.3+Y
PD213 TROJAN TECKNO TRACKS Amazing effects!+Y
PD214 TALENT PANTA RHEA realtime 3d fractals1200 only
PD215 FAIRLIGHT 242 Unusual & interesting demo! +Y

NEW!

PG308 HIGH OCTANE Super overhead driving game+Y
PG309 JELLYQUEST Nice jumping puzzle demo! +Y
PG310 PUZZWORD Sliding block puzzle game. +Y
PG311 COLOUR CHANGES Nice colour board game +Y
PG312 SUPERPONG Classic ping pong with extras+Y
PG313 ROAD TO HELL Super driving race game!+Y
PU394 GRINDER V1.0 Picture file converter! +Y
PU395 MENU MASTER 3 Floppy menu system! +Y
PU396 BAD FORMAT Make unusable disks work! +Y
PU397 POWERLOGO V1.3 Dialect of Logo language+Y
PU398 CASIO DIGITAL DIARY COMMS LINK software+Y
PU399 AIBB Amiga Benchmark speed tests! +Y
PU400 AMBUSH V1.33 Fix font size problems! +Y
PE054 ARTISTIX Superb shareware art package+Y
PE055 JUNIOR MATHS Suitable for young children+Y
PA149 SPAR TREK II Clever CD32 advert animation!+Y
PP127/30 CHARLY CAT DANDRUFF DUO Amusing (4)3mg
PD216/7 A TRIP TO DEEP BASS A must have rave demo!+Y
PD218 VIVID ABSTRAX PIG AGA Mega colourful1200 ONLY.
PD219 IMPULSE ART & GO Good music & pictures! +Y
PD220 LEMON RINK A DINK Very classy demo!+Not 1200.
PM211 MBC BASS IN YA FACE Hardcore techno music+Y
PM212 FOR DA UNDERGROUND More hardcore music! +Y
PM213 MIGAMASTER OPEN YOUR EYES Megamix! +Y
PM214 MIGAMASTER BACKGROUND TO HEAVEN Mega +Y
PM215 MIGAMASTER SOUL VIBRATION Fab megamix! +Y
PM216 DUAL CREW CHROMATIC good music pack+Y
PM127 LEGALIZE IT 1 Great Amiga music disk! +Y
PS130/1 NIGHTBREED AGA SLIDE3 Scrummy pics(2)1200
PS132 HAM TEXTURES 6 super textured backgrounds! +Y

CLASSICAL LITERATURE

Super books on a disk,perfect for English Literature revision!(ok 500+,600, 1200)

LIT1 Midsummer nights dream, Macbeth, Julius Caesar,Anthony & Cleopatra
LIT 2 As you like it, Lovers complaint, Cymbeline, Hamlet.
LIT 3 Romeo & Juliet, Passionate pilgrim,Phoenix &Turtle,Sonnets Coriolanus
LIT 4 Twelth night, Venus & Adonis, Troilus & Cressida, Love labours lost
LIT 5 Two Gentlemen of Verona,A Winters tale,Rape of Lucrece,Pericles
LIT 6 Othello,Much ado about nothing, Measure for measure.
LIT 7 Henry the Sixth (Parts 1, 2, & 3)
LIT 8 Henry the Fourth (Parts 1 & 2), Henry the Fifth.
LIT 9 Richard the Second, Richard the Third.
LIT10 Henry the Eighth, King John, King Lear.
LIT11 The Taming of the Shrew,The Tempest,Timon of Athens,Titu Andronicus
LIT12 Alls well,Comedy of errors,Merchant of Venice,Merry wives of Windsor
LIT13 WORKS OF MILTON 1 Paradise Lost.
LIT14 WORKS OF MILTON 2 Poems, Sonnets etc.
LIT15 WORKS OF HOMER The Iliad (2 disks)
LIT16 WORKS OF HOMER The Odyssey.
LIT17 MARK TWAIN Tom Sawyer
LIT18 MARK TWAIN The Prince & the Pauper.
LIT19 LEWIS CARROLL Alice In Wonderland & Alice Through looking glass.

ANIMATIONS

PA039 ERIC-S AMY VS WALKER Cute & sexy! 1.5M Y
PA040 ERIC-S BATMAN vs JOKER Very funny!!!+Y
PA042 ERIC-S COYOTE STRIKES BACK 1mg too! +
PA043 ERIC-S MORE AEROTOONS Very witty !!!+ Y
PA045 ERIC-S STEALTHY II Mig-29 vs Stealthy !+Y
PA053/4 LIGHT CYCLES (2) Tron animation+
PA065/68 REAL 3D (4) Superb of the program+
PA072 THE JUGGLER A classic amiga demo!+ Y
PA074 THE WALKER vs The Helicopter - Mega !+ Y
PA075 THE WALKER vs A2000 A classic ! + Y
PA086 FRACTAL ANIMATION full screen low fly anim+Y
PA091/3 GAS TURBINE, STEAM & PETROL ENGINE (3)+Y
PA094 AMY JOGS,WALKS & SNEEZES by E Schwartz! +Y
PA095 HOW TO RUN INTO A WALL by Eric Schwartz! +Y
PA099 ATF AGILITY new ES anim, very witty as usual+Y
PA100 VTOL CONTEST Check out this new ES anim ! +Y
PA101 DOLPHIN DREAMS Great Dolphin anim! + Y
PA103/4 KINGFISHER 2 Superb bird animations!+ Y
PA106/7 THE JOURNEY Fab fractal pics & anims(2)+Y
PA118 3.SCHWARTZ Skydive,Soft landing & bomber! +Y
PA119 STEAM ANIMATION V2.0 Now with sound! +Y
PA120 TWO STROKE PETROL ENGINE Super anim+Y
PA122/3 THUNDERBIRDS ANIM Nice animation! (2)+Y
PA141 STIRLING II ENGINE Another fab engine anim!+Y
PA142 NIGHTBREED AGA FRACTAL FLIGHT Colourful! Y
PA143 XMAS ANIMATION Amusing animation! +Y
PA145 SUNJETS ANIM Nice anim of jet planes! +Y
PA146 FLY ANIM Biplane loops the loop!(not 1.3)+Y
PA147 EARTH ANIM Fast frame pics of Earth(not 1.3)+Y
PA149 CIRCUS ANIMATION Humerous looped anim! +Y

POWER ANIMATIONS

PP001/2 ANTI LEMMINGS (2) This is Brilliant! 2M
PP003 AT THE MOVIES anim of Amy squirrel 1.5M+Y
PP004/7 AUTOMATED LIGHT (4) Battlestar galactica! 3M
PP008/10 BUZZED (3) Great anim of wasp crashing! 2M
PP011/12 DATING GAME (2) Very witty!, Get it. 3.5M!
PP016 GULF WAR Another ES production! Good 2M! Y
PP021/4 LANDING (4)Tobias Richter poweranim 4M!
PP025/27 STATION AT KHARN (3) Incredible 2M demo Y
PP036/7 WALKER DEMO (2) A 2mg version of a classic!
PP040/43 AT THE MOVIES II (4) Hilarious ! 1mg>3mg
PP044/45 AMY V WALKER II (2) witty ES demo 3M
PP046 SWEET REVENGE Coyote vsRoadrunner! 1.5mg+Y
PP050 UNSPORTING Wicked Schwartz cartoon+ 2M Y
PP051/2 CHARLY CAT Super Shwartzlike cartoon! 2mg.Y
PP053/4 CHARLY CAT AT THE BEACH 2nd anim 2mg!Y
PP057/9 CHARLY CAT CATCHES A CANARY Fab! 3MG.
PP060/3 CHARLY CAT MOUSTERMIND Great! 3.5MG.
PP064 DUNCAN DUNG BEETLE Unusual 2mg anim! Y
PP065/6 CHARLY CAT SNOWJOKE Latest anim 2mg.+ Y
PP067/9 SPEED LIMIT 3mg motorcycle race! + Y (3)
PP070/1 LEMMINGS REVENGE amusing anim! 2mg Y
PP074/6 G.I. SPY 3mg anim from charlie cat author! (3)
PP077/84 THE HAUNTED Tremendous animation,3mg!(8)
PP088/9 SPORTING DOO DOO Nice animation! 2mg(2)
PP090/1 ROADHOG ANIM Very funny 2mg animation!(2)Y
PP099/100 AT THE FLIX Charlie cat again! (2) 2mg
PP101/4 QUALITY TIME Superb Shwartz 5mg anim (4)!
PP105/6 SATELITTES REVENGE Good anim!(2) 2M.
PP107 DAMBUSTERS Lancaster bomber fun! 2M.
PP108/10 CHARLY CAT IN SICKNESS & HEALTH!(3)3mg!
PP111/2 BUGSBUNNY&SPACEMEN Action 2)2mgY
PP113/4 CALVIN & HOBBES Super animation!(2) 3mg.
PP115/6 SPAR TREK3 BATTLESTATIONS Fun! 2mg (2)
PP117/8 PRANK ON FURBALL Cat has a pizza! 2mg (3)
PP119 BAITMASKING Another fun Shwartz anim 2mg(2)Y
PP120/3 LAST STAND ON HOTH Fab space anim!(4)3mg.
PP124/6 AFRODISIAC ANIM Superb anim, 3 disks & 3mg.

AGATRON(ok 1200)

AGA01 RED LOTUS Spinning down the road. Fantastic
AGA02 JET FIGHTER landing on a runway, basic anim
AGA03 STAR TREK - Shuttle fly past - Great ! 1m +
AGA04 KLINGON CRUISER Flying around your screen
AGA05 STAR TREK KLINGON fires torpedoes 1m +
AGA06 LOGO, plus a great star wars fly by animation.+
AGA07 STAR WARS FIGHTER doing loops etc 1m +
AGA09 STAR WARS - Fighter fly by, impressive 1m +
AGA10 STAR TREK - Enterprise in dry dock. Incredible
AGA11 TRON - Tank v Deactivator. Good vectors +
AGA12 TRON ANIMATION - Not one of the best +
AGA13 ROBO 1 A nice ray traced robot waving 1m +
AGA14 STAR TREK Workbee & Reliant. 3 shots +
AGA15 LOTUS CAR, Billiards, & Jet Fighter animations
AGA16 STAR TREK Various anims from star trek game
AGA17 STAR TREK TWOK animation Short but okay +
AGA18 STAR TREK - Enterprise fly by. Short anim +
AGA19 BOND ANIM - Copter plus a car, not too amazin
AGA20 Huey 2 A helicopter leaving a landing pad.+
AGA21 ENTERPRISE DOCKING WITH SPACE STATION
AGA22 ENTERPRISE APPROCHING stunning anim ! 1M
AGA23 FLEET MANOEVRE Stunning animation! 1m +
AGA24 KULI PEN animation & Ping pong. Great! 1m +
AGA25 THE RUN , a suberb car chase 1mg +
AGA26 SHIP ROCKING at sea,enterprise leaves dock+
AGA27 BOOK OPENING Nice anim of a book opening.+
AGA28 SHUTTLE & ENTERPRISE Fab anim by Richter+
AGA29 MILLENIUM FALCON The ship being chased -1M
AGA30 HYPERSPACE anim+ Landing animation 1m +
AGA31 PORSCHE anim rising out of table 1 mg. +
AGA32 SPACE - Space probe flying away 1m +
AGA33 PROBE Bird of prey animation & Klingonhit! 1m
AGA34 SPACE OFFICE Star trek anim, a little short +
AGA35 SPACE PROBE, fabt anim of probe zooming off
AGA36 BIRD OF PREY, loop the loop animation 1m +
AGA37 TOBIAS GOES KNACKERS Check this out ! 1m
AGA38 TOTALLY WICKED ! Shuttle & Enterprise (2 ME

FONTS (Bitmapped & assignable)

PU048 DYNAMITE FONTS II CutNPaste fontscreens Y
PU049 DYNAMITE FONTS More CutNPaste Fonts Y
PU058 FONTS AND RAM MANAGER BIG video fonts+
PU059 FONTS & SURFACES Backdrops & fonts+ Y
PU169 GELIGNITE FONTS CutNPaste fonts!+
PU175 GELIGNITE FONTS II Excellent IFF fonts+Y
PU176 GELIGNITE FONTS III More of above!!+
PU185/6 COSMOPOLITAN FONTS (4) Packed with fonts+Y
PU201 MALICE FONTS Exellent tiny fonts for Dpaint!+Y
PU226/7 C-EYES FONTS For use in Dpaint, WB, etc.(2)+Y
PU278 GELIGNITE FONTS IV Yes more iff fonts!
PU331/43 COLOUR FONTS(ASSIGNABLE)Dpaint etc(13) +Y
PU356 FONTFARM Contains 56 large & Small fonts! +Y
PU390 FONT FARM 2 Lots more good fonts! +Y
PU391 FONT FARM 3 Another disk crammed with fonts+Y

MUSIC DISKS

PM001 100 GREATEST 64 TUNES 100 fab 64 tunes!+
PM010 AMEGA PARTY WINNERS Four WICKED songs+ Y
PM016 BEATLES SONIX Nice music +Y
PM018 BEATMASTER I LOVE TECHNOLOGY Rave ! +Y
PM019 BRUNO's MUSIC BOX II Super jazz funk music +Y
PM020/21 BRUNOS MUSIC BOX III Jazzfunk. Get it ! +Y
PM058 MAG FIELDS CHIP FESTIVAL Full of chip music+Y
PM059 MANIACS OF NOISE This is brilliant!+
PM074 SOUND OF SILENTS Just get this its mega!
PM092 PIANO TUNES Nine piano songs- good + Y
PM096 STAIRWAY TO HEAVEN Rendition of the song+Y
PM104 500 THINGS COMEBACK 4 great rave type tracks+
PM112 TECHOMANIA II 6 essential hardcore tunes+
PM122/4 PLAYSID 2 (3) You must get this !!!! +Y
PM125 PLAYSID inc RobHubbard, ManiacsOfNoise + Y
PM154 PULSE Yes, pulsating rave music again!! +Y
PM155 VINE G-RAVE 5 more good rave tracks!!! +Y
PM162 MORE MED TUNES Fab tunes by Alex Starnes!+Y
PM164 OCTAROCK 3D More 8 track & 3d graphics!+Y
PM167/8 JESUS ON ES Crazy rave music demo! +(2)
PM179 PLAYSID V2.2 More old 64 style music(not1.3) +Y
PM185 ASI MUSIC VOL1 4 big songs with hifi graphics+Y
PM186 ASI MUSIC VOL2 7 songs with hifi graphics! +Y
PM190/1 DANCE TRASH 2 disk set of rave music(2) +Y
PM192 HOBBITS & SPACESHIPS music by Dr Awesome+Y
PM194/5 ULTIMATE ACTION MEGA MUSIC Fab (2)+Y
PM196 MUSIC OF ROMEO KNIGHT Suber music mods+Y
PM198/9 MIRAGE SUBLIMINAL XTC Fab rave(1200only)
PM200 DATA-X TRILOGY 3 raved up pieces! +Y
PM201 DATA-X THE VICTIM 6 more music tracks! +Y
PM202 XENO INFINITY Good techno funk track(not1.3)
PM203 BIO MECHANOID SYMPHONY NO 1 (1200only)
PM204 PE MUSIC MADNESS 90 chip music tunes! +Y
PM205 DESERT TECHNO TRAX 6 techno-ish tunes! +Y
PM206 7HEMOROIDS ENDLESS MELODIS 14 tunes(2)+Y
PM208 CHRISTMAS TUNES Medley with modern beat!+Y
PM209 LSD XMAS PACK Great selection of xmas tunes+Y
PM210 AMIGA XMAS MUSIC Superb traditional style+Y

MUSIC UTILITIES

PT002 ART OF MED Excellent music !+ Y
PT006 DELUXE MUSIC DATADISK For DMCS. +Y
PT009 K1 IFF SAMPLES Fabulous samples +
PT011 KAWAI K1 editor for patch changes!
PT012 KAWAI K4 editor as above!
PT013 MED 3.2 Excellent music seq. + Y
PT015 MIDI DISK Various midi stuff +
PT020 ST-01 - ST-10 Samples--Ring for details
PT025/6/7/8 ST-90-93 SAMPLES Studio quality+ Y
PT029 YAMAHA DX7 VOICE FILER for DX7 synths!
PT030 YAMAHA DX7 VOICE SORTER for the above !
PT031/2/3 ST-87 - 89 3 disks full !+Y
PT034/5 ST-97 & 98 More samples !+Y
PT038 YAMAHA DX100,TX81Z, DX27,DX11 & FB01 edit
PT040 OCTAMED V2 8 channel MED sequencer!+
PT041 NOISEPLAYER 4.0 Multitasking module player+
PT042 START IFF SAMPLES Superb ! Get this disk!+Y
PT043/5 HOUSE SAMPLES 3 disks full of house samples
PT046 AUDIO MAGIC3 Super trackers disk, ok on 1200
PT047 AUDIO MAGIC4 More Superb music programs!
PT048/52 MODULES 5 disks of large music modules!+Y
PT053/57 METAL MODULES 5 disks heavy rock/metal!
PT058/62 BREAK BEATS 5 disks of drum samples+Y
PT063/67 VOCALS 5 disks of super vocal samples!+Y
PT068/70 DRUMKITS 3 disks of high quality drums!+Y
PT071/73 KORG SAMPLES 3 disks of keyboard sounds
PT074/76 PURE SAMPLES Lots of assorted samples!+
PT077 SAMPLE FACTORY Disk full of sound effects!+Y
PT078 CHIPMAN SAMPLES over 70 samples here!+Y
PT080 XI RAVE SAMPLES Bass & Drums! +Y
PT081 SAMPLEMAKER V3.1 Make samples, +Y
PT082 CLASSICAL MODULES On a classical theme! +Y
PT083 MUSIC ENGINE V1.34 Multiformat music player+
PT085 NO SAMPLER UTILITIES Music utilities! +Y
PT086 CHIPMAN SAMPLES II More samples! +Y
PT087 CHURCH MUSIC Religious sonix music! +Y
PT088 X-BEAT V1.1 Exellent drum machine program!+
PT089 AUDIO MAGIC5 Some new tracker programs.+Y

PROFESSIONAL FONTS

These fonts are for Professional page & Pagestream use only!

PU231/5 PAGESTREAM FONTS 5 disks full, super fonts!+ (5)Y
PU236/7 SCOPE197/8 Adobe type fonts, 2 disks full! +Y
PU257/61 PAGESTREAM FONTS 2nd set of good fonts.(5)+Y
PU264/8 OUTLINE FONTS For Pro pagev3 or 4(5) ONLY!!+Y
PU319/23 OUTLINE FONTS For Pro page 2.1 or 3(5)+Y
PU403/7 OUTLINE FONTS For Pro pagev3 or 4 only(5) +Y
PU408/12 MORE OUTLINE FONTS (As above) (5) +Y
PU413/7 MORE OUTLINE FONTS (AS above) (5) +Y

OCCULT,ASTRONOMY+PREDICTION

PU015 BIORYTHMS, STARCHART 2 Good programs+ Y
PU174 ASTRO 22 professional astrology now V3.5! +Y
PU211 AMIGA PUNT A horse race predicting program!+Y
PU212 PERM CHECK PLUS a pools prediction prog Y
PU213 RACE RATER Another horse racing program!! +Y
PU238 M.O.R.C.V2 rune caster,new 1 disk version!+Y
PU354 ASTRONOMY v2 calculate info on solar system! +Y
PU362 STARVIEW Gives view of star for given time etc!+Y
PU363 FORCASTER Horse racing prediction program! +Y
PU364 COURSE FORM Simple horse racing prediction!+Y
PU375 POOLS TOOLS2 3 pools related programs!+Y
PU377 MING SHU Makre your own horoscopes! +Y

VISA

MasterCard

NBS
ACA, 1CHAIN LANE, NEWPORT
I.W. PO30 5QA
TEL: 0983 529 594
FAX:0983 821 599

VALLY PD
ACA, PO BOX 15, PETERLEE
CO. DURHAM SR8 1NZ
TEL:091 587 1195
FAX:091 587 1195

BLITTERCHIPS
ACA, CLIFFE HOUSE, PRIMROSE
STREET ,KEIGHLEY. BD21 4NN.
TEL: 0535 667 469
FAX: 0535 667 469

LOWEST PRICED TOP QUALITY RIBBONS, INKJETS, TONERS & DISKS

Printer Ribbons

BLACK	1 off	2+	5+	10+
Amstrad DMP 2000/3000	2.80	2.65	2.45	2.25
Amstrad DMP 4000	3.66	3.51	3.31	3.11
Amstrad PCW8256/8512/LQ3500	2.85	2.70	2.50	2.30
Brother M1009/1024/1109/1209	3.90	3.75	3.55	3.35
Citizen 120D/LSP10/Swift 24/9	2.85	2.70	2.50	2.30
Commodore MPS 1220/1230	4.50	4.35	4.15	3.95
Epson LQ100	4.10	3.95	3.75	3.55
Epson LQ400/500/800/850	3.45	3.30	3.10	2.90
Epson FX/MX/RX80/FX/LX800	2.90	2.75	2.55	2.35
Epson FX/MX/RX100/FX/MX1000	3.36	3.21	3.01	2.81
Epson LX80/86/90	2.12	1.97	1.77	1.67
Mannesmann Tally 80/81	3.90	3.75	3.55	3.35
NEC Pinwriter P2200	3.03	2.88	2.68	2.48
OKI ML182/183/192/193/195	3.17	3.02	2.82	2.62

BLACK	1 off	2+	5+	10+
Panasonic KXP1123/1124/1140	3.46	3.31	3.11	2.91
Panasonic KXP1080/1180/90/1592	2.89	2.74	2.54	2.34
Panasonic KXP2123/2180	5.75	5.60	5.40	5.20
Seikosha SL90/92/95	5.70	5.55	5.35	5.15
Star LC10/20/100	2.29	2.14	1.94	1.84
Star LC200	3.00	2.85	2.65	2.45
Star LC24-10/200	2.86	2.71	2.51	2.31
Taxan Kaga KP810/815/910/915	3.14	2.99	2.79	2.59
COLOUR	**1 off**	**2+**	**5+**	**10+**
Citizen Swift 24	12.81	12.66	12.46	12.06
Panasonic KXP2123/2180	10.63	10.48	10.28	9.88
Star LC10/20/100	6.00	5.85	5.65	5.25
Star LC200	9.78	9.63	9.43	9.03
Star LC24-10/200	9.63	9.48	9.28	8.88

Ring for Ribbons Not Listed.

Ring us and WE WILL BEAT all other Ribbon prices

3½" Disks & Disk Boxes

	DS/DD	DS/HD
10 Disks	£5	£8
25 Disks	£12	£18
50 Disks	£21	£31
100 Disks	£36	£56
250 Disks	£83	£128
500 Disks	£162	£238

100 Cap. Lockable Disk Box £5.99 with orders of £10+

Preformatted (MS-DOS) disks available at 2p extra/disk.

All Disks Certified 100% Error Free and INCLUDE FREE Labels.

Inkjets, Ink Refills & Toners

Canon BJ-10/20 Cartridge	17.54 each
Commodore MPS1270 Cartridge	12.13 each
HP Deskjet Cartridge (Double Cap.)	24.24 each
HP Deskjet Tri-Colour Cartridge	28.89 each
HP Thinkjet/Quietjet Cartridge	12.13 each
HP Deskjet Tri-Colour Catridge Refill	16.00 each

Inkjet Refills (Twin Packs) for Canon BJ-10/20, BJ300, HP Deskjet. Available in Black, Cyan, Magenta, Yellow, Red, Blue, Brown, Light Green, Dark Green, and Gold. 1 Pack £11.00, 2+ Packs £10.60 ea, 5+ Packs £9.95 ea

HP Laserjet II/III Toner Cartridge	44.51 each
HP Laserjet IIP/IIIP Toner Cartridge	53.14 each

Ring For Inkjets & Toners Not Listed.

Miscellaneous Items

Roll 1000 3½" Disk Labels	8.99
3½" Disk Cleaning Kit	2.99
Parallel Printer Cable (1.8m)	3.99
Mouse Mat	2.99
CPU & Monitor Dust Cover	5.49
Monitor Dust Cover	4.99
80 Column Printer Dust Cover	3.99
Amiga 500 Dust Cover	3.99
Amiga 600 Dust Cover	3.99
Amiga 1200 Dust Cover	3.99

All Prices INCLUDE VAT (@ 17½%) & UK Delivery

0543 250377 Ring us or send cheques to: **0543 250377**

Owl Associates Ltd, Dept 156, Owl House, 5 The Brambles, Lichfield, Staffs WS14 9SE

Official Government & Educational orders welcome

E & OE

STILL THE BEST!

COMPUTE-A-RACE+ £19.99
THE FINAL EDITION



After over 3 years of research and development, **Compute-A-Race – The Final Edition** has been released.

WHAT DOES IT DO?
Compute-A-Race+ is a Horse-Racing Prediction Program written exclusively for the Amiga. The program can predict races, select bets, calculate return and will advise on most aspects of British Horse-Racing.

IS IT COMPLICATED TO USE?
No. Features an ease of use for both the 1st time buyer and more experienced user alike. Within days inputting a race will become second nature.

WILL I NEED REGULAR UPDATES?
No. Re-designed for long-term use, The Final Edition is the ONLY prediction program you will ever need. No further purchase is necessary.

WHEN SHOULD I ORDER COMPUTE-A-RACE+?
NOW. For a limited period only, we are providing 'personalised' Master Disks (please include full name with order).

COMPUTE-A-RACE+ – THE FINAL EDITION – £19.99
(Master Disk, Data Disk, Manual, Wallet, Labels). As featured in The Sporting Life. **ORDER NOW!**

Cheques/P.O. payable to HANDISOFT (Mail Order ONLY)
Handisoft, 37 Hearsall Lane, Spon End, Coventry, CV5 6HF

Amiga-64-Link

- Links C64 peripherals to Amiga parallel port
- C64 Not required

Connects C64 printers to the Amiga

- Supports MPS, DPS, VIC, Star, Brother, Seikosha & Citizen printers
- Graphics output on dot-matrix printers
- Works with all software

Transfers C64 disk files to the Amiga

- File transfer programs
- Read/Write text, binary & program files

Standard "Ami-64-Link **£35.25** *Prices include VAT and delivery*
Budget "Ami-64-Link" **£23.50** *Budget stops multi-tasking during printing*

York Electronic Research (0904) 610722
The Paddocks, Jockey Lane, Huntington, York YO3 9NE

South Lincs PD

1-9 disks £1 each
10-19 disks 85p
20+ disks 80p
add 75p for P&P per order



Large selection of Amiga PD/Shareware (over 2,200 disks) including: Games, Graphics and Animation, Utilities, Music, Demos, T-Bag, Fred Fish Disks 1-900, Assassins Games Disks 1-130. Below is a selection of titles available

LATEST ASSASSIN GAMES

ASI 107 Equilog, 4 In a Row etc
ASI 108 Strike Ball, Ring War, Obsess
ASI 109 Psyco blast, King High etc
ASI 110 Space Rescue, Tile Zerg etc
ASI 111 Karate Worm 2, Billy Dragon
ASI 112 Thunderton, Aliens, Tron, Step 2!
ASI 113 Trek Trivia, Popeye! etc
ASI 114 Insectoids 2, Yum, Yum etc
ASI 115 StarTrek Shoot Up, Shark! etc
ASI 116 Blue Diamonds 4, Tech, Sorry!
ASI 117 Air Warrior, Youpi! etc
ASI 118 Zombies, Armymines 14 etc
ASI 119 Robouldix, Speed, Trik Trak
ASI 120 Fireblaster, Super Blockout etc
ASI 121 Chainsaw Massacre, Worm etc
ASI 122 Project Buzzbars, Xenonill etc
ASI 123 Artilleros, Lamerbug, Yahtzee
ASI 124 Mr & Mrs, Elevation, Haser
ASI 125 Namegame, Marbleslide, Snake
ASI 126 ShortOut, KnyastonKid, Dodge Ems
ASI 127 Shanghai 93, Laser Zone, Oxo
ASI 128 Space Invasion, Solarsys Wars etc
ASI 129 Boulderdash Royal, Trax
ASI 130 Chain Reaction, Batman, Uggo!

GRAPHICS AND ANIMATION

2164 Girls Of Sport Slideshow (P)
2198 Sweet Revenge (1.5Mb) (P)
2230 Unpleasant Ways to Die (P)
2279 Saving Cert Advert* (Anim) (P)
2281 Speed Limit (1.5Mb) (3D) (P)
2283 Two Stroke Engine Animation (P)
2284 Steam Engine Anim V2* (P)
2286 Fantavision Anims (Dinosaurs)* (P)
2290 Snow Joke (2Mb) (2D) (P)
2292 The Cat Slideshow (P)
2295 Alcatraz Museum (P)
2302 Quality Time (5Mb) (4D) (P)
2303 Lemmin's Revenge (2Mb) (P)
2306 At The Flix (2.5Mb) (2D) (P)
2307 The Journey* (2D) (P)
2308 Revenge Of The Blob (3Mb) (2D) (P)
2309 Japanime (Manga) (2D) (P)
2310 Gladiators (Slideshow) (2D) (P)
2314 Gore Slideshow (P)
2315 In Sickness & In Health (3Mb)(3D)(P)
2316 Bonds Last Stand* (P)

UTILITIES

4087 CManual V2.0 (4D) (P)
4100 Text Plus 3 (P)
4108 NorthC V1.3 (2D) (W/B) (P)
4119 MED V3.21 (Music Editor) (P)
4136 Sound Tracker 2.6 (P)
4161 Epoch V (1200 year calendar) (P)
4163 Learn & Play Plus (P)
4166 A-Gene V4.18 (P)
4167 BBase II V5.5 (P)
4170 IQ Challenge (W/B) (P)
4173 Kick 1.3 (A500 Emulator) (P)
4177 Ming Shu Chinese Astrology (P)
4179 NComm V3.0 (P)
4180 BootX V5.23 (P) (Not 1.3)
4181 World War II Hyperbook (P)
4182 Crossword Creator v1.0 (P)
4185 LSD 120 (PC Task V2.03) (P)
4186 Copiers Unlimited (DCopy V3.1) (P)
4187 KlickStart 2.0 (A600 Emulator)
4188 Assassins A1200 Fix-Disk
4191 Super Viewer V2.4 (P)

MUSIC AND SOUND

5045 Iron Maiden (P)
5050 Guns & Roses* (Your Crazy) (P)
5072 Van Halen (Eruption) (P)
5075 Bad Boyz* (Rave) (P)
5096 Ultimate Dance (P)
5110 Dance Trance (P)
5113 Took My Love* (Not 1.3) (P)
5114 1993 Dance Vol 1* (Not 1.3) (P)
5116 The Trip (Rave/Dance) (P)

DEMOS

6075 Odyssey (5D) (P) (not A1200)
6095 Jesus on E's (2D) (2 Drives) (P)
6096 State of the Art (P)
6098 Sanity World Of Commodore (P)
6100 XPose (2D) (P)
6101 TimeZone (2D) (TRSI) (P)
6102 Wicked Sensation (2D) (P)
6103 Alpha & Omega II (3D) (P)
6105 Illusion (Fairlight) (P)
6106 Boundless Void (Nemo!) (P)
6107 Desert Dream (Kefrens) (2D) (P)
6109 Alchemy (Rage) (2D) (P)

UNBRANDED 3½" BLANK DISKS DS/DD
10 – £5.00 50 – £21.00 100 – £40.50 200 – £72.50 500 – £169.00

QUICK SHOT II TURBO JOYSTICK ONLY £9.50, LOGIC 3 MOUSE (300DPI) ONLY £14.95. P&P INCLUDED.
(P)=500+ and A600 compatible. *=1Mb. (2D)=2 disks. (3D)=3 disks etc. (W/B)=Workbench needed to run.

CENTRAL LICENCEWARE

TOTAL CONCEPT ENCYCLOPAEDIAS WITH DIAGRAMS, DRAWINGS & DIGI PHOTOGRAPHS.

CLE01	DINOSAURS 2	Triassic, Jurassic & Createaceous	2 Disks	£4.50
CLE02	GEOLOGY	Volcanoes, earthquakes, rock formation etc.	2 Disks	£4.50
CLE03	SOLAR SYSTEM	The planets with pictures supplied by NASA	3 Disks	£5.50
CLE14	ECOLOGY	Living things & their surroundings	3 Disks	£5.50
CLE35	SOLAR SYSTEM2	The Sun & Planets, lots of excellent pictures	3 Disks	£5.50
CLE49	DINOSAURS 3	More Dinosaurs including Velociraptor	3 Disks	£5.50

OTHER EDUCATIONAL TITLES

CLE05	ACHORD	Guitar tutor (tuning, chords etc)	1 Disk	£3.50
CLE08	NIGHT SKY	Sun, Moon, Planets & 1500 Stars	1 Disk	£3.50
CLE10	BASICALLY AMIGA	A complete Amiga DOS reference "Book"	3 Disks	£5.50
CLE15	FAST FRET	Set of guitar exercises	1 Disk	£3.50
CLE16	KINGS & QUEENS	Picture, info, family trees, 802-Present	2 Disks	£4.50
CLE22	CHESS TEACHER	A beginners guide	1 Disk	£3.50
CLE25	CHORD COACH	Tutorial aid for the piano	1 Disk	£3.50
CLE27	C.A.T.T.	The Complete Tarot Translator	3 Disks	£5.50
CLE28	FUN WITH CUBBY	8 educational games for young children	1 Disk	£3.50
CLE45	FUN WITH CUBBY 2	7 more games for young children	1 Disk	£3.50
CLE46	BASIC HUMAN ANATOMY	Text & Diagrams	1 Disk	£3.50
CLE47	SEA SENCE	Safety at sea info pictures etc.	1 Disk	£3.50
CLE50	D.R.A.T.	Delos Runecaster and Translator	2 Disks	£4.50
CLE51	PAINT PASTE & DRAW	Superb kids colouring program	1 Disk	£3.50

UTILITY TITLES

CLU01	VIDEO TITLER	For creating smooth scrolling video titles	1 Disk	£3.50
CLU03	TYPING TUTOR	Learn to touch type properly	1 Disk	£3.50
CLU04	ALPHAGRAPH	For producing pie charts, bar charts etc	1 Disk	£3.50
CLU08	WORD FINDER PLUS	Superb Crossword/Anagram solver	2 Disks	£4.50
CLU10	POWER ACCOUNTS	Keep track of your bank account	1 Disk	£3.50
CLU14	STOCK CONTROLLER	Keep track of items you have in stock	1 Disk	£3.50
CLU21	INVOICE MASTER	Allows you to print out invoices	1 Disk	£3.50
CLU22	HARD DRIVE MENU SYSTEM	Easy to use	1 Disk	£3.50
CLU28	CREATIVE ADVENTURE TOOLKIT	Adventure games creator	1 Disk	£3.50
CLE32	POWER TEXT 2	Excellent Word Processor with spell check	1 Disk	£3.50

We supply the full range of CLR software and above are just a few of the titles available, full details are on our catalogue disk. Postage and Packaging only 50p when order contains CLR software.

TOWER SOFTWARE GAMES

Below are the excellent Tower Software Games (Full Versions).
Serious Solitaire £10 (15 excellent Card Games). Serious Solitaire II £10 (15 More excellent Card Games).
Serious Backgammon £20 (The best Backgammon game you can get on the Amiga. Comes complete with manual).
Mancala £10 (African board game, reputedly the worlds oldest game). Tower Software prices include P&P

All blank disks are 100% certified & guaranteed, prices include label, postage/delivery and VAT. Catalogue disk only 75p or send 3 x 24p stamps. Add 50p for outside UK. All orders of PD sent same day by first class post. Postage & Packing add 75p UK, £2.50 Europe (inc. Eire), £4.00 Rest of the World, payment in sterling please. Cheques/postal orders made payable to South Lincs PD

South Lincs PD, (AC), 10 Linden Rise, Bourne, Lincs PE10 9TD. Tel: 0778 393470

Make the most of your coverdisks

Take 2 – and two more!

You already have the very latest Take 2 software – on last month's Amiga Computing CoverDisk. Now you build on this super program with these two special offers

Manual, pegboard and sample animations



Only £24.99 (including UK carriage)

Get up and running quickly with this comprehensive, well written manual which takes you through every feature of this great program.

This offer also includes a pegboard – to help keep all the cells to be digitised in the correct place – as well as sample animations.

Send to Amiga Computing Take 2 Offers, Europress Enterprise, Europa House, Adlington Park, Macclesfield, SK10 4NP, or if you are paying by credit card you can telephone 0625 878888. Allow 28 days for delivery.

Overseas readers will be charged carriage at cost. Please call Rombo on 44-506 414631 to find out the cost of carriage to your country.

Upgrade to Vidi Amiga 12

Only £74 (including UK carriage)

Become a movie director with Vidi Amiga 12 and grab your way into video animation. Working with Vidi 12 you can interface Take 2 direct to any video source, camera or recorder. Using a camera you can trace with a pen then digitise the outlines from paper, while live video and sampled sound can be synchronised for the most amazing results. This bargain saves you £30 on the normal price.

"It's fast, smooth and produces outstanding picture quality with ease"

Amiga Computing, May 1993

For more information on Take Two or Vidi Amiga 12 call Rombo Productions on 0506 414631

Order form

Please send me ...

- ☐ Take 2 Manual. pegboard and sample animations at £24.99 (UK)
- ☐ Vidi Amiga 12 at £74 (UK)

Please deliver my goods to...

Name (Mr/Mrs/Ms/Miss) ____________________

Address ____________________

____

Postcode __________ Daytime phone __________

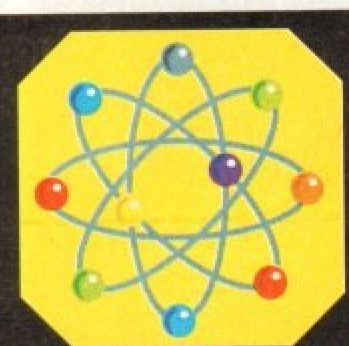
- ☐ Cheque / postal order payable to Rambo Productions Ltd.
- ☐ Credit card

Card No ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Expiry date __/__

☐ *Tick this box if you do not wish to receive promotional material from other companies*

Get it together with Fusion Paint!



Manual only £6.95

Push your Amiga Computing Christmas CoverDisk software to the limit – learn just how hard you can make it work with this excellent manual

The Fusion Paint manual is both well written and comprehensive. The Quick Tutorial section takes you through every essential operation, from the Startup Window to Rubberbanding. This user friendly book also contains a detailed reference section, including paragraphs on menus and the collection of individual tools. The trouble shooting section provides invaluable assistance. It's a bargain at only £6.95.

Send to Amiga Computing Fusion Paint Offers, Imediat, B3 Edison Road, St Ives, Huntingdon PE17 4LF, or if you are paying by credit card you can telephone 0480 496688. Allow 28 days for delivery.

Order form

- ☐ The Fusion Paint manual at £6.95 including p&p (UK only)
- Overseas readers need to pay an extra £2 towards postage
- Australian readers can buy the manual for $20. Cheques should be made payable to Activision, 10 Agnes Street, Meadow Bank, Sydney, NSW 2114

I wish to pay by...

- ☐ Cheque / postal order payable to The Disk Company
- ☐ Credit card (Visa or Mastercard) Expiry date __/__

Card No ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Deliver my goods to...

Name (Mr/Mrs/Ms/Miss) ____________________

Address ____________________

____

Postcode __________ Daytime phone __________

☐ *Tick this box if you do not wish to receive promotional material from other companies*

PUBLIC SECTOR

It's Christmas and Santa's dropped an extra large Jiffy bag down the Europress chimney. Adam Phillips opens his seasonal stocking to find out what the PD libraries have given us for Yuletide...

As usual, a high standard is very apparent in this month's round-up of software. From business to games, it seems that the unsung programming heroes of the software industry out there just keep getting better and better...

World of Manga

Produced by: Comax

Available from: Graphic F/X Disk No.AA 018

First up is World of Manga from Graphic F/X who sent some interesting stuff in for review this month. This is a guided tour of what must be nearly every Manga character ever drawn.

There are 40 AGA only slides in all on four disks presented in hi-res interlaced graphics. One of the most impressive features is the superb fade thru to the next image that the programmers have managed to pull off. The transition is silky smooth and really gives the whole package a very professional look.

The only negative point is that the images are not on Amiga DOS so there for cannot be lifted out and used elsewhere.

That aside, if you're into Manga and its ultra violence, ultra titillation and pounding action, then this is the perfect companion to the video cassettes stashed on your living room shelf.



Manga, Manga, Manga... recommended but could have been superb with more action shots and less portraits

ART of the Month

Road to Hell

Programmed by: Philip G Harle

Available from: Graphic F/X Disk No: GA 069

Fortunately, this rather good overhead racing game is in no way related to that miserable, whinging song by Chris Rea.

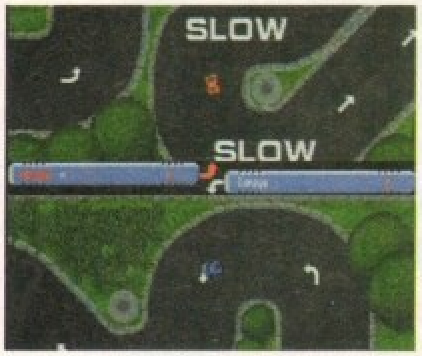
Programmed by PG Harle, Road to Hell is a fast, edge of the seat, one or two-player chase round narrow bends and fast lanes to win the race and earn as much cash as possible.

Choose from the three different championships, Bronze, Silver or Gold and you're placed at the bottom of the league to take part in several races against either the computer or a friend with the intention of ending up the winner.

As race starts, the first thing noticed is the smooth scrolling and the hectic speed of the action; 180 degree corners to shoot round, kerbs to be avoided. If hit too many times, the car is destroyed and all is lost.

The action can be viewed either as full screen or split screen to see what the opposition is up to. As you progress through the game, more and more money is amassed which can then be spent in the shop on power steering, better tyres, armour plating, turbo chargers, smoke screens and what every racing sim needs, missiles to cripple the opponent. Road to Hell is packed with exciting features and professional touches that really show off the standard of shareware on the Amiga.

It would have been nice to have more cars on the track than just yourself and the rival driver but as it stands, this is a professional piece of software with attention-holding gameplay.



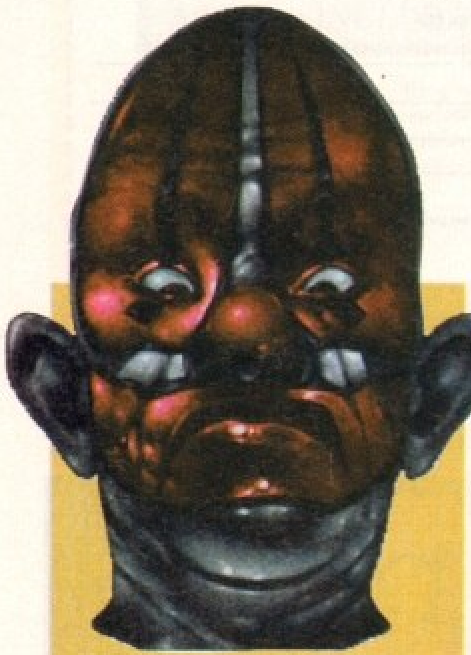
No, not the M1 but a series of high speed, uncluttered without road works race courses

Beetle

Produced by: Unique Styles Production

Available from: Express PD Disk No: P431

Strange game this one – guide a lump with dangly bits for ears around a series of platforms collecting what look like baby grubs which, once fetched, whizz off to the top of the screen and are deducted from the amount that need grabbing. The



Instinct Slideshow

Produced by: Instinct

Available from: Express PD Disk No. GO159

Another demo, supplied by Express PD, is Instinct, a collection of different artists' work making up a portfolio of over ten pictures.

Running on any machine, this is quite an impressive gallery with varying different screen resolutions showing different styles of computer art from Frank Frazetta copies to Walt Disney images.

The music accompanying the show is laid-back and sexy jazz-like stuff which suits the display well. It was interesting to see the reactions from the male population as it drifted across the room – stampeding feet followed by sighs of disappointment at the lack of naked women. Never mind.

MUSIC DEMO of the Month

Audio Rhythm 2

Produced by: Tronix

Available from: Graphic F/X Disk No: MU 162

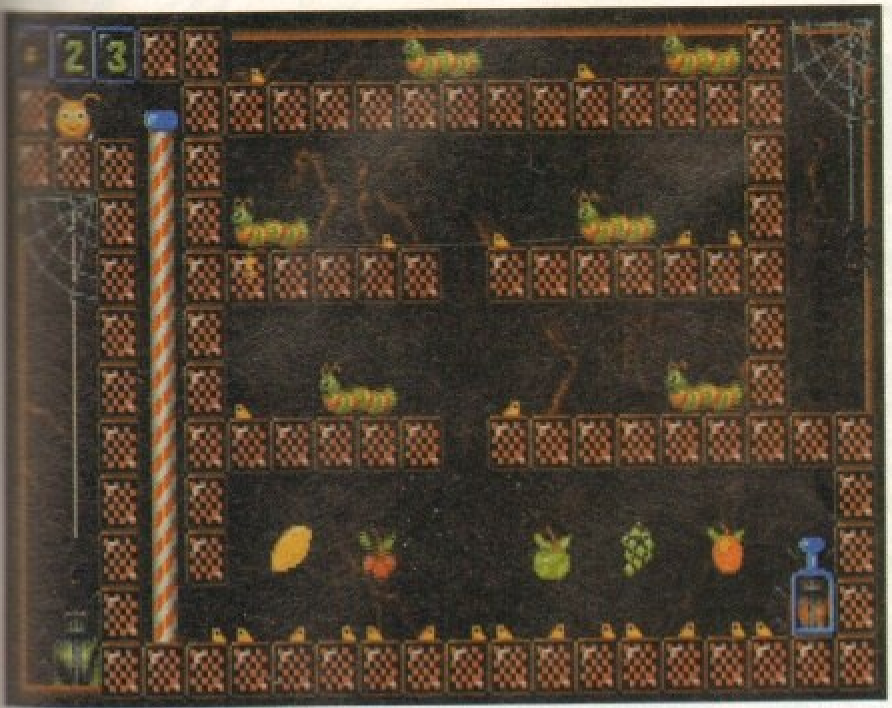
My suspicions have been proved correct about that cartoon character, Shaggy out of Scooby Doo – that classic program where each week a ghost/monster/ ghoul/satanic worshipper/ mummy would terrorise a hotel owner/guests/ old women/Shaggy only to be investigated by Scooby and company and revealed as an imposter wearing a suit/using mirrors/ playing horror tape effects and so on.

Throughout each episode, Shaggy was always the one cowering in the corner, saying that he would never do this again but nearly always helping in some inadvertent way to solve the mystery in the last reel.

What happened to him since his exit from the show? Well, he's moved into Amiga PD to take on his true personae – a 60s, easy riding, dope smoking, loose and chilling presenter of pumping hardcore music demos.

Shaggy is now the anchorman of Tronix's Audio Rhythm 2, offering the user five sampled tracks to listen to – Love So Strong by Secret Life, If, a remix of Janet Jackson by Brothers in Rhythm and three other tracks, Promixing, Going Insane and Hardcore2.

The samples are crisp and clear and with Shaggy there to mellow you out, this is a great buy.



Guide your space hopper through the levels picking up your grubs... but keep an eye on the beetle

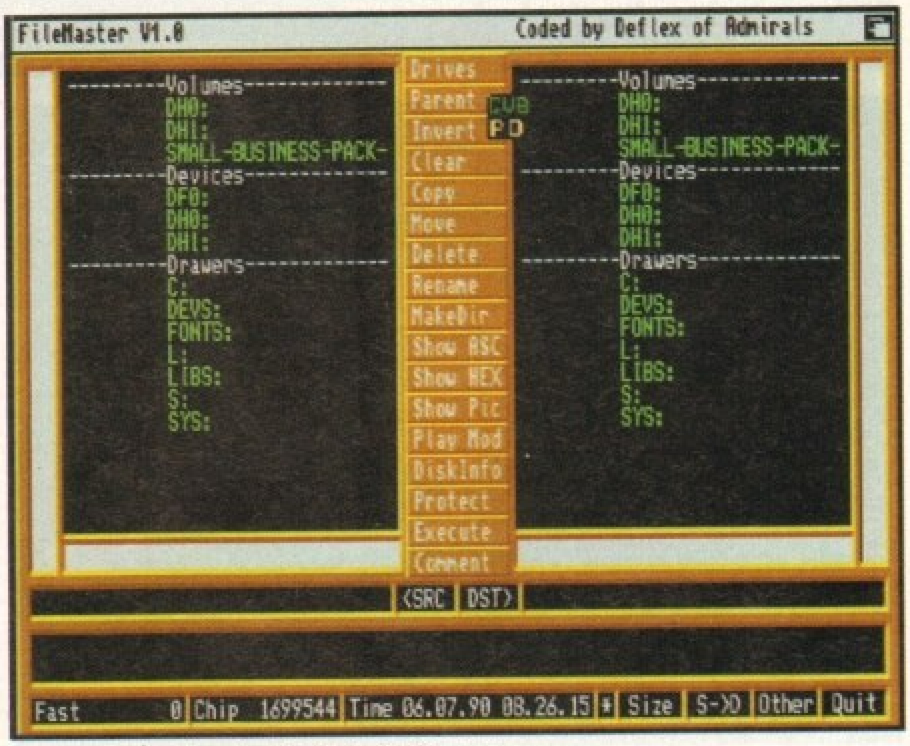
idea in this demo version is to beat the beetle to the top of the garden wall by going as quickly as possible through the 30 levels.

Power-ups can be grabbed to aid progress through the multitude of screens ranging from pogo sticks for extra jumps and swords to slice through the enemy to invincibility from the dastardly garden creatures.

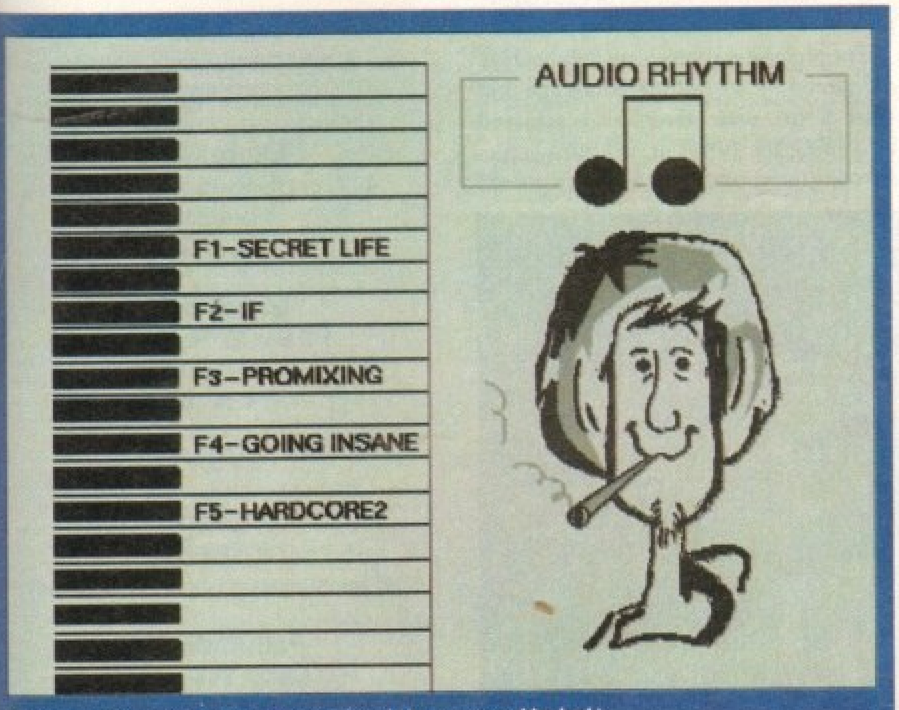
If you've got a friend round then slap a joystick in port 2 and play the special two-player mode where each space hopper has to grab their grubs and rush to their individual exits.

On top of this is a level editor which is only partially operational on the demo but shows off the flexibility of the program by giving the user the opportunity to design any course they like using the in game images.

There are some nice touches with the graphics and variety in the gameplay. For a fiver, here's a neat, professional little game that's well worth taking a look at.



Sort out all financial worries with this luvely little earner



Shaggy smokes quietly (it's the most relaxed I've ever seen him look) while you choose a groove of your own choice...freedom, man

Calling all PD libraries...

...and individuals with anything remotely worth my while having a peek at. If you want something released as PD, or you're a library with stacks of hot new stuff that you haven't seen reviewed in these pages yet, why not drop me a line with a copy, full documentation and everything clearly labelled. I promise I'll at least look at your work.

From music to education, business to utilities – anything you feel deserved your shoving onto a floppy disk, lemme at it and I'll do the rest. Address?

Adam Phillips, PD submissions,
Amiga Computing
Europa House, Adlington Park,
Macclesfield SK10 4NP

The Small Business Pack

Programmed by: Various

Available from: GVB-PD Disk No: U294

If you're thinking about starting a new company and are worried about the distinct lack of management programs or the prospect of coughing large sums of money up on single packages, then this offering from GVB-PD could be the alternative you're looking for.

Chock-a-block with utilities of all sorts, this is an absolute bargain at only £6. Every program has full documentation and can be printed through one of the 27 printer drivers available.

Utilities include Stockbroker for share management, expense and chequebook reports for bank account managing, a memo pad, a Secretary for efficient file and Workbench operation and many, many others – even a "nag" to hassle you ➤

Rebouldix

Programmed by: The Terminus Team

Available from: Pathfinder PD Disk No PG209

Why is it that many of PD's classic games are based on old, nostalgic software? Perhaps it's because they are relatively simple to program or that the writers don't have any original ideas of their own or maybe, just maybe, it's because games like Boulderdash hark from a day when gameplay came first and graphics second.

They seem to have an ageless playability that people never tire of and that can be continually enhanced and developed into better games. If you look at the average Mega Drive chart these days, most of it will be taken up with platform clones with incredibly pretty graphics but gameplay that hasn't advanced since Manic Miner on the Spectrum.

Rebouldix from Terminus Team in Sweden could, at first glance, simply be shovelled off into a hole like so many games of this genre, filled in and engraved "Here lies another Boulderdash clone – rest in peace".

Indeed, with the price tag for the full working copy being £18, you might think it would be a justified epitaph when you start



In the middle of a chain reaction...

to play. That's exactly how I felt but...

What makes this game so refreshing when compared to the usual carbon copies is that it's more of a sequel to First Star's classic than just a copy. As with the original, the player controls a little miner who digs around the screen collecting various glittering jewels while avoiding being crushed to death by rocks, traps and monsters of varying different sizes.

With this latest upgrade of an old idea though, there is much more to do. Each level on the demo disk presents a different mix of arcade skills and strategic planning. Switches must be thrown, diamonds collected in the right order, difficult puzzles solved and many other touches.

The graphics are effective and clear and are quite varied for this kind of game.

The gameplay is very challenging and it will take some time for even the most experienced player to get through the more fiendish levels on the demo. If £18 still sounds like a lot then check out the sample disk to see for yourself what a refreshing breath of fresh air this is. Recommended.

through the Amiga's audio and voice capabilities when you want reminding of something.

This is an impressive array of titles which cannot be given justice in such a small space – order them and check it out for yourself.

Jurassic Park Slideshow AGA

Produced by: Gentry

Available from: Express PD Disk No: GO144

Seeing that Jurassic Park has managed to permeate into every corner of society from toothpaste to toilet paper, it was just a matter of time before it raised its prehistoric head in the public domain.

Maybe it's just me but I wasn't that impressed by JP (to its friends); the dinosaur sequences were superbly handled and suspenseful but as for the rest of the film, it had a slack story and some pretty manky acting, especially from Laura Dern.

The actual demo comes with a staggering four, yes, four stills from the film presented in hi-res, interlaced Ham8 near-photo quality graphics which can only be run on AGA machines. This may sound like very little but seeing that each image takes up 150 to 180k then it's understandable.

With an accompanying soundtrack, the show is short-lived but if you're a fanatic of the movie like the rest of the planet, then this will satisfy your appetite admirably.



It's that film again... Here Laura Dern tries desperately to act caringly towards a large lump of rubber

Assassins Games

Programmed by: Various

Available from: Assassins Disk No: 138

Assassins Games seem to push out untold amounts of games each year, some ranging from the simply abysmal to the very good (a bit like Psygnosis really).

This latest collection is a perfect cross section with the three games offering examples of poor, average and good titles.

Starting at the bottom of the quality bucket, we have a computer version of air hockey. In the original, you hit a puck that floats millimetres above the table on a bed of air which is knocked back and forth between the two players until it lands in a goal; the same applies to this version.

Being a two-player game only, air hockey is works relatively well but is unlikely to raise blood pressure and adrenaline levels above those found in a corpse. The graphics are very basic and little effort has been put into the front end of the game making this the least recommended of the bunch.

Galactoid, the second title on the compilation, is a competent vertical shoot-'em-up in Galaxians mould where enemy ships sweep onto the screen, gather in a formation and swoop down on you dropping missiles.

There are plenty of varying stages with different types of aliens and also special levels where a complete wave of marauding enemies must be wiped out to receive the maximum bonus.

Finally, your single turreted ship may be upgraded into a two-gun mega blaster with the aid of a falling power up – this increases the size of your craft considerably, making it an easy target but helps to destroy the aliens with relative ease.

If you don't mind the repetitive nature of this genre and fancy a cheap blast then Galactoid will fill the gap until something better comes along.

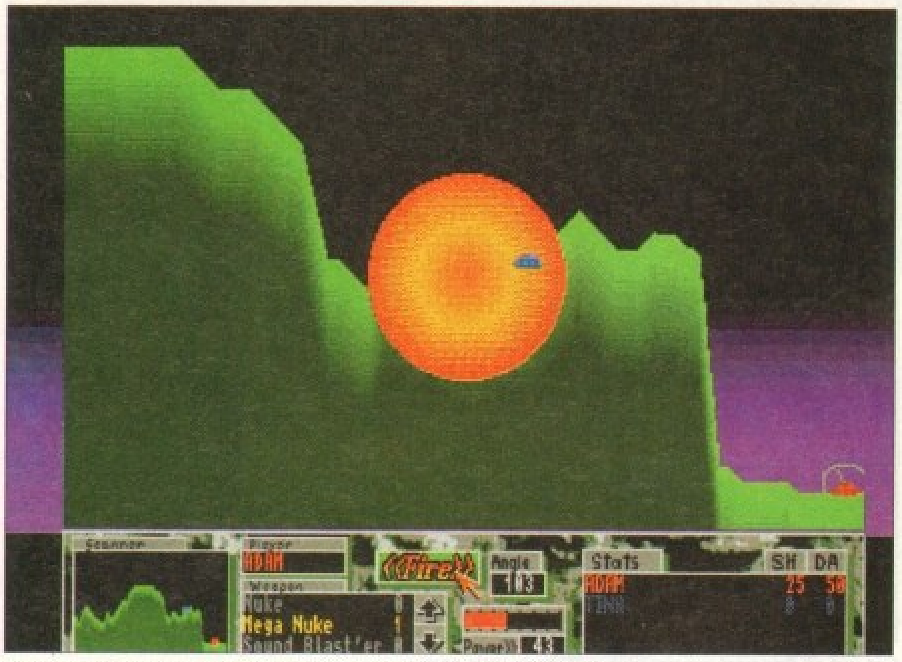
The third and final instalment is Scorching Tanks, a great two to four player "hammer the hell out of each other" piece of software.

The premise is simple – up to four tanks are placed on a scrolling landscape and must destroy each other. This is achieved by aiming the turret at a certain angle, selecting the weapon you want to use from the vast arsenal at your disposal, choosin[g] the power of the shot, pressing fire an[d] crossing your fingers.

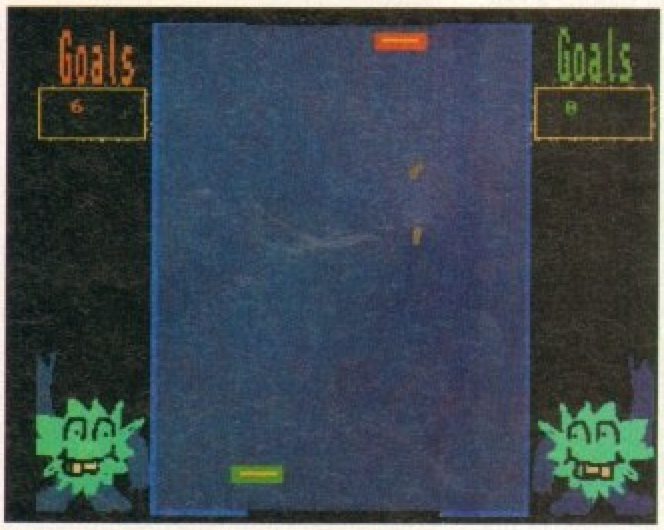
The more hits made on the opposition the more money you make which can the[n] be spent at the armoury on projectile[s] such as single shots, dirt balls to creat[e] cover for yourself, mega nukes and moun[tain] missiles which carve out huge chunk[s] of landscape – there are 26 offensive an[d] defensive weapons in all.

The presentation and graphics are of [a] high standard – when the ground is hit, i[t] crumbles smoothly away leaving a gapin[g] drop.

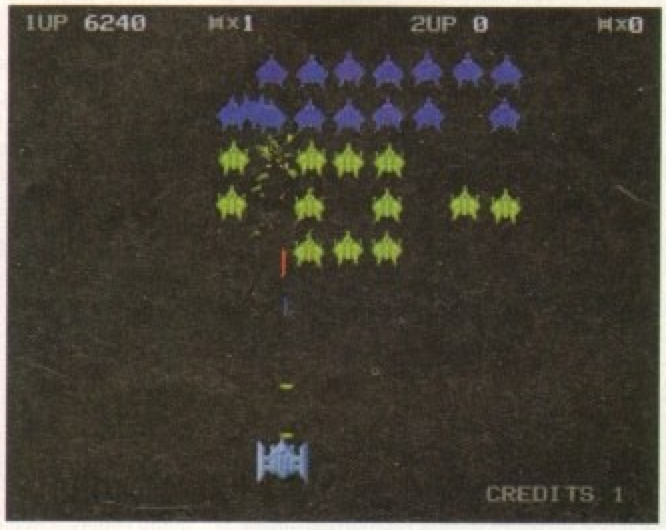
An addictive and strategic title, th[e] Assassins 138 compilation is worth buyin[g] for this game alone.



Position the turret just right and score a bullseye with a mega nuke



Hit the puck back and forth, back and forth, back an...



Blast everything...

Contact addresses

Assassins
Ripley Avenue, North Shields
NE29 75A

Express PD
47 Aberdale Road, West Knighton
Leicester
LE2 6GD

Graphic F/X
PO Box 69, Manchester
M21 2BN
061-860 4292 (8am-10pm)

GVB-PD
43 Badger Close, Maidenhead
SL6 2TE
0831 649 386
(Make cheques payable to GV Broad)

Pathfinder PD
41 Marion Street, Bingley
BD16 4NQ
0274 565 205

GZ GROUND ZERO SOFTWARE

AMIGA PUBLIC DOMAIN SOFTWARE

ONLY 89p

ORDERING PD DISKS

PRICE PER PD DISK £0.89
CATALOGUE DISK VOL.1 ... £0.50
CATALOGUE DISK VOL.2 ... £0.50
POSTAGE & PACKING £0.75

Overseas orders. Use the above prices, then add 25% of that total, to cover the extra postage costs. Thank you.

PLEASE MAKE ALLCHEQUES/POSTAL ORDERS IN STERLING PAYABLE TO GROUND ZERO SOFTWARE

SEND ORDERS TO :

GROUND ZERO SOFTWARE
4 CHANDOS RD
REDLAND
BRISTOL BS6 6PE
ENGLAND

ALL TITLES ARE COMPATIBLE WITH ALL AMIGA'S UNLESS STATED •OTHERWISE•

NEW TITLES

G264 **ELEVATION II** - Cute and colourful platform romp.
G265 **BONDMINE 13** - Boulder Dash at it's very best!
U300 **NCOMM V3.0** - Brand new version of this incredible comms package for Amiga modem users. The most popular one around.
S96/S97 **(2 DISKS) SHED TEARS** - Fantasy slideshow using the AGA chipset. •A1200 ONLY•.
G266 **GALAXY '93** - Looks like Galaxians. Nice scrolling back drop. •NOT A500•.
U301 **AREXX USERS REFERENCE MANUAL** - Extensive manual on the AREXX programming language. •NOT A500•.
G267 **BLOCKSTER** - Tron Light Cycles game with screen designer.
E53 **CHILDRENS FAVOURITES 2** - Six nursey rhymes with pictures, words and music to sing-a-long to.
U302 **AMOS Ncommand Designer v2.03** - Create Workbench 2.0 style front ends for your Amos programmes without the hassle. You design the screen with menus, buttons etc.. and save the source code and then simply load it into *AMOS*.
G268 **SLAMBALL** - Futuristic management game based on Speedball.
T32 **ABNORMLIA ISSUE 3** - The alternative disk magazine. No Amiga Features. From UFO's to Beer. Very weird.
E54 **STIRLING ENGINE ANIMATION** - Detailed cross section animation of a Stirling engine.
U303 **INVENTORY v2** - Business software to hold information on stock control, staff wages, plus a database for other information.
E55 **COMMUNICATE** - Learning tool for eight forms of non-verbal communications. Including sign language, morse code, braile, etc.
E56/E57 **(2 DISKS) AMERICAN FOOTBALL** - Massive tutorial on the complex rules and strategies used within this sport.
G269/G270 (2 DISKS) **18th HOLE** - Brilliant Golf game for 1 or 2 players.
S98 **SATURNE '93 SLIDESHOW** - Many pictures of different styles and subjects, from fantasy to Japanese cartoons. All V.good.
S99 **JURASSIC PARALAX** - Brilliant slideshow of many vicious Dinosaurs with added text information on their characteristics.
G271 **JELLY QUEST** - Highly rated 3D isometric arcade puzzle game against the clock.
U304 **TEXT ENGINE v4.1** - The BEST PD word processor just got better. Includes fully intergrated spell checker. A must!
U305 **SUPERVIEWER v2.4** - Slideshow creator with examples.
U306 **ELECTRONICS CAD** - Two programmes: ElectroCAD and Prototyper. Computer Aided Design programmes for Electronic projects. V.Good.
U307 **AMOS PRINTER ROUTINE** - Custom GFX printer routines for your Amos programming projects.
U308 **CG FONTS COLLECTION VOLUME 4** - Thirteen more Compugraphic fonts for DTP and Word Processors which use them.
T33 **RAGE ISSUE #2** - Disk magazine with News, reviews, Amos Help, Amiga DOS commands help, plus much more.....
M141 **EAT THE BRICK** - Parody of Rave music!!!!!!
A159 **AIR ASSAULT** - Similar to Eric Schwartz's "ATF Agility" animation.
U309 **EASYCALC V1.0a** - The Best Shareware Spreadsheet money can buy. Look no further if you require one!!!
U310 **PAY ADVICE ANALYSER V3.00** - Latest version of this personal wages/salary database. Now faster and added features.
D162 **FRONTIER: ELITE II DEMO** - Rolling demo of this incredible game. Wow.
G272 **ASSASINS GAMES VOL # 136** - Hot Blox, Super Pong, Sniflburk.
G273/274 (2 DISKS)/**STARBASE 13** - Graphic adventure in the style of Monkey Island/Future Wars. Superb.
E58 **DESERT STORM HYPERBOOK** - Detailed account of the 100 hour ground offensive with maps and all.
A160 **GET FROGGED** - Amusing singing and dancing Frog routine. Warner Bros style.
U311 **EASYCALC PLUS** - Enhanced version of the EasyCalc spread sheet with pie charts, bar graphs etc.. •NOT A500•
E59 **STARVIEW** - Displays all the visible planets, stars and consellations from any location on earth, at any time. Zoom facilities, and Star search feature. Excellent piece of software.
G275 **POPEYE** - Conversion of the classic C64 arcade game. •A500 ONLY•
A161 **3 WAYS TO STOP SMOKING** - Give me nicotine patches any day. Sick humour. •REQUIRES 1.5 MEGABYTES•
E60 **CODE MUNGUS** - Highway code tester. Sign posts and verbal questions. Very good indeed.
E61 **WORLD GEOGRAPHY** - Interesting computerised Atlas.
A162 **SAVING CERTIFICATE ADVERT** - The Butterlfy and frog cartoon from the TV ad.
G276 **THE GREAT ESCAPE OF BILLY BURGLAR** - Super new and original platform game.
G277 **3D GAMES SERIES MK1** - Three 3D Construction Kit games: DIY, OXO, CAR.
G222 **CHESS GAMES** - Two Chess games: GNU Chess, Chess 2.0 and top Chess tips file by an international Chess Grandmaster. Equal to or better than any other commercial Chess game currently around.
G278 **FRIDAY THE 13th PART X** - Run around the rooms and slaughter the inhabitants, but avoid the gun wielding cops.
G279 **MUGSIES REVENGE** - Gangster management game. Based within the prohibition days. Buy booze, set up bars and night clubs and get some henchmen to protect your interests and lots more.
G280 **BLACK DAWN** - Dungeon Master style game with an Alien Breed scenario. Superb graphics and loads of features.
G281 **SUPER PRIX** - overhead racing game with many tracks and car upgrades - for a price!
U312 **BUDBASE 1.2** - Ex CLR title, now Public Domain. Database which isn't restricted to memory size as data is read or written directly to disk each time (also hard drives), like commercial ones.
E62/63 (2 DISKS) **READ AND LEARN VOL.1** - Disk based story book for infants, with pictures, easy read text and digitised speech. The story of 'The Three Little Pigs'.
E64 **THE WORD FACTORY** - Neat spelling games for youngsters.
U313 **AGA UTILITIES** - Loads of A1200 only programmes eg: Kill AGA, Plasma, AGA Test, Check AGA, etc.. 25 progs in all.

EDUCATION

E3 **SUN CALCULATOR** - Calculates the sunrise and sunset times within a 2 minute accuracy.
E12 **UNITS** - Conversion programme. Includes:Speed, Volume, Mass, Time, Force, Density, Angles, Light, etc.....
E16 **CHESS TUTOR** - 4 Chess programmes from learning the game to taking part in classic games of history past.
E23 **TOTAL CONCEPTS - ASTRONOMY** - Loads of interest ing facts and beautiful digitised stills.
E24 **TOTAL CONCEPTS - DINOSAURS** - Want to learn about prehistoric Earth. Get this.
E32 **MOLEC 3D** - Generates 3D represntions of molecules. Up to 500 atoms at a time.
E36 **STEAM ENGINE ANIMATION** - Detailed, labeled animation of a Steam Engine.
E37 **FOUR STROKE PETROL ENGINE ANIMATION** - More of the same.
E42 **GAS TURBINE ANIMATION** - Plane engine animation.
E52 **COLOUR THE ALPHABET 2** - Familiarise kids with the alphabet, with digitised speech instructions. Excellent.
E43 **WW2 HISTORY BOOK** - Multi-media account of World War 2 account. Text and pictures.
E46 **LITTLE TRAVELLER** - Useful information on the worlds popular travel spots right down to electrical voltage.
E41 **FRACTIONS** - Maths teaching and testing programme.
E44 **THE MATHS ADVENTURE** - Maths problems intergrated into an adventure game.
E49/50/51 (3 DISKS) **DESKTOP GUIDE TO ELECTRONIC MUSIC** - Massive guide on all you wanted to know about music sythesis. Visual, audible - sound examples and speech.

BUSINESS SOFTWARE

U135 **600 BUSINESS LETTERS** - Hundreds of laid out letters for every business and personal occasions. Inc, Job applications, complaints, etc.. Files load into any Word processor.
U166 **A-GRAPH V1.0** - Input data for instant graphs, bar charts, pie charts etc.. Data is saved as an IFF file.
U209 **FORMS UNLIMITED V1.04** - Form designer and printing tool. For invoices or similar items.
U242 **LAST WILL AND TESTAMENT** - Write your own will, includes word processor.
U265 **JOURNAL V2.00** - Organise your personal finances like a detailed bank statement. Easy to use.
U273 **ACCOUNT MASTER V2.1** - More complex than Journal and has features that match commercial programmes which offer these facilities. The foremost *Amiga PD* personal accounts program.
U288 **PAY ADVICE ANALYSER V2.0** - Richard Smedley's latest release of this pay slip databse.
U304 **TEXT ENGINE v4.1** - The best PD word processor with inergrated spell checker. Note the up-to-date release version.

GRAPHICS UTILITIES

U1 **ULITMATE ICON DISK** - Edit or draw you own icons. Even import/export graphics from any IFF package. Eg Dpaint or Freepaint. Massive directories of example icons included.
U3 **M-CAD** - Public Domain Computer Aided Design package.
U9 **C-LIGHT** - Ex-commercial Raytracer, now shareware.
U54/55 (2 DISKS) **VIDEO UTILITIES** - 2 packed disks full of video titling programmes covering most aspects of the subject.
U62 **SCENE GENERATOR** - Fractal landscape generator like Vista; but without the heavy price tag.
U102 **AMIGA FOX** - Basic entry level desktop publisher.
U113 **SPECTRA PAINT v3.0** - Good AMOS written IFF paint programme.
U115 **LAND BUILD 3.2** - Another superb fractal landscape generator. Realistic random effects: Mountains, water, clouds, etc....
U142 **FREEPAINT** - The highly regarded PD paint package. The next best alternative if you can't affford Deluxe Paint.
U154 **AUDIO ANIMATION** - Animation and sound programme.
U187 **MOBED2** - Sprite creator/animator. Essential programmers art tool.
U190 **GATORS GRAPHIC GALLERY** - Tutorial with many examples of how to design and draw super logos, like in the demos.
U208 **CYCLOPS** - Plasma picture generator. Weird!
U271 **POLYED V1.0** - Polygon orientated animation programme.
U285 **sMOVIE** - Video titling.
U296 **KIDS PAINT** - Simple, easy and functional art package for youngsters.
U289 **MINI MORPH V1.0** - Super fast morphing programme. The best you can get!
U296 **GRINDER** - Picture file conversion. Can transform most formating, including: GIF, TIFF, HAM-E , TIFF, ATARI, IFF....

MUSIC TOOLS

U178 **COMPOSER** - Traditional style music composing with staves and notes. Very good. Includes examples.
U186 **MED 3.2** - Music sequencer. V.good.
U183 **PRO TRACKER** - Another professional music sequencer.
U200 **SHADOW SAMPLE MAKER** - Create samples without a sound samler hardware add on.
U260 **ST-88** - Sound samples for use with either U186 or U183.
U261 **ST-89** - More of the same. 85 samples.
U262 **ST-91** - As above. 52 samples.
U263 **ST-92** - As above. 75 more samples.
U264 **ST-93** - As above, only 29 samples this time.

LISTED IN THIS ADVERT IS JUST A SMALL PROPORTION OF THE SOFTWARE WE HAVE AVAILABLE. GET HOLD OF OUR DETAILED CATALOGUE DISKS FOR INFORMATION ON THESE AND MANY MORE SUBJECTS.

GAMES

G77 **TRACK RECORD** - Super fast overhead racing game. Loads of tracks, loads of action.
G75 **BULLRUN** - Wargame based on an historical civil war confrontation.
G68 **INSIDERS CLUB** - Stockmarket game where you can manage a multi-million pound corporation.
G66 **NO MANS LAND** - Good 2 player, one-on-one to the death duel with a variety of weaponary.
G64 **MECHFIGHT** - Role Playing Games where your character is a robot on a huge space craft.
G63 **GROUND ZERO GAMES #5** - Big value game compilation, with games like: Othello, Tiny Baseball, Tron 90, Frog.. 22 in all.
G61 **ZEUS** - Good puzzle game. Based on a commercial Ocean game, Puzznic.
G55 **MASTER OF TOWN** - Anti-social game of property destruction. Smash windows, damage vehicles, break street lamps. But fun. •A500 ONLY•
G52 **BLOCKIT** - Another puzzle game which has been cloned from a commercial game.
G49 **POM POM GUNNER** - Shoot-em-up with digitised graphics. The scenario is Pearl Harbour.
G37 **SEALANCE** - strategy wargame where you command a nuclear submarine. Included animated sequences.
G35 **JAR** - Clone of an old arcade classic - Crystal Castles. A bit like Pacman with 3D platform mazes.
G26 **WELLTRIS** - Tetris game with a twist. Involves a 4 sided well.
G18 **THE GOLDEN FLEECE** - Incredible text adventure with masses of depth. Similar style to the awarding winning Infocom text adventures.
G88 **21 GAMES** - Another mega game compilation with 21 games on a single diskette. Different games to the ones on G63.
G106 **ANTEP RPG** - Role playing game with a very similar style and scenario to earlier Utlima games..
G121 **BIPLANES** - Take to the skies in this one or two player dog fighting game. •A1200 USERS, DISABLE CPU CACHES•
G122 **DUEL** - Plain and simple 3-Dimensional split screen game for two players. Both in tanks, both with big guns. Guess the rest!!
G128 **TOTAL WAR** - Computerised version of the RISK strategy board game.
G129 **SUPERLEAGUE MANAGER** - Footy management game.
G138 **WORLD** - Science fiction text adventure on a strange planet.
G139 **CROAK** - Enhanced clone of Frogger, even a two player competition mode where you complete to get as many froggy's across at the same time.
G141 **AMERICAN FOOTBALL COACH** - Manage a NFL team and call all the plays.
G142 **BATTLEMENTS** - Based on Hunchback from C64.
G150 **LEGEND OF LOTHIAN** - Good role playing game.
G156 **MISSION X**- Shoot-em-up with awesome graphics.
G158 **BRAIN BALL** - Good looking but difficult skill/puzzle game. Worth a shot if you want a tough challenge.
G161 **ASHIDO** - Oriental puzzle game.
G162 **SYSTEM 4** - Game in the same genre as Q-Bert, but with new variations on the pyramid theme. Very professional.
G168 **OTHELLO** - Good board game. Also known as Reversi.
G169 **DONKEY KONG** - Platform game that first introduced Mario many years ago. Still brilliant.
G172 **BATTLE CARS 2** - Super fast 3D vector car battle game around a host of arena's.
G177 **CRAZY SUE II** - Popular platform game.
G180 **WAR** - Could be considered Space Chess.
G182 **TREASURE ISLAND** - Game for kids.
G183 **BOUNCE 'N' BLAST** - Highly praised platform game, almost of a commercial quality.
G193 **HELLZONE** - Space shoot-em-up, similar to R-Type. •A1200 USERS, DISABLE CPU CACHES•
G196 **CAG** - Stands for CREATE ADVENTURE GAMES, make your own text adventures with this easy to use engine.
G200 **FIGHTING WARRIORS** - 1 or 2 player martial arts beat em up with large well animated sprites and special moves. V.Good.
G202 **A NIGHT AT THE TOP** - Atmospheric text adventure which dumps you in at the deep end - 40 stories up.
G205 **TOP OF THE LEAGUE** - Another soccer management game which gives you the oppotunity to run your own team and take them and you, to the top of the league.
G206/207 (2 DISKS) **OLEMPIAD** - Sports events with lemmings as the stars.
G210/211 (2 DISKS) **TALISMAN** - Big graphic adventure game. Excellent. •REQUIRES 2 MEGABYTES•
G212 **FRUSTRATION** - Incredible text based adventure, unsurpassed in depth and detail.
G217 **UCHESS** - Chess game that uses the AGA chipset. •REQUIRES 4 MEGABYTES, A1200 ONLY•
G221 **BOW & ARROW** - Archery game.
G224 **OBLIVION** - Super fast defender clone.
G226 **MORIA v5.4** - Big RPG with many dungeons to explore, with lots to do. Even has a town you can explore and visit the shops.
G229 **GIGER TETRIS** - AGA Tetris. •1200 ONLY•
G232 **MONACO** - Clone of an old arcade game. Fast and furious.
G234 **WOT'S IT'S NAME** - Brilliant trivia board game.
G237 **GAMMON** - Good computer version of Backgammon.
G238 **TETREN** - Tetris with lots of added extras. Worth a look.
G241 **IMPERIAL WALKER** - Take control of an X-wing fighter and stop the imperial walkers from reaching the allied HQ.
G245 **ALL ROUNDER** - Cricket simulation like none other.
G246 **WIBBLE WORLD GIDDY** - Possibly the best platform, puzzle game ever produced for the PD market. A must.
G247 **FLEUCH** - C63 Thrust clone. Skillful game.
G249 **PSYCHO SANTA** - A game for Christmas.
G255 **AMOS CRICKET** - Shareware Cricket game. Lots of features
G256 **SHANGHAI '93** - Oriental tiles game.
G257 **DELUXE PACMAN V1.4** - The best Pacman clone around. Even includes power ups.
G262 **BLUE DIAMONDS 4** - Boulderdash clone. Good stuff.

USEFUL UTILITIES

U158 **NOERRORS** - Hides physically damaged tracks on both floppies and hard disks. In effect making useless disks, usuable.
U157 **ARQ 0.99** - Changes the boring old Workbench requester windows into animated ones. Quite neat.
U146 **AMIGA SYSTEMS DISK** - Host of Amiga system diagnostic checkers, and performance testers.
U111 **GOLF SCORE** - Golf tally recorder.
U112 **WORD SQUARE SOLVER** - Finds those hidden words in those word square puzzles.
U167 **BIORHYTHMS** - Plots your personal graph for any month of the year: Physical, Emotional, Intellectual.
U180 **BROWSER II** - Good file transfering programme, and much more.
U191 **TYPING TESTER** - Evaluates your typing speed.
U206 **RACE RATER** - Horse racing, outcome predictor. Works on statistical data you enter.
U215 **FREECOPY** - Removes various proctection schemes from a massive list of commercial games.
U216 **BON APPETIT** - Recipe database.
U267 **SPECTRUM EMULATOR V1.4** - Run old speccy games on your *AMIGA*.
U280 **LEMMINGS II HARD DRIVE INSTALLER** - Put Lemmings 2 on your Hard drive. •REQUIRES 1.5 MEG, NOT A500•
U281 **D-COPY 3.1** - Powerful and professional disk duplication software with a similar performance as X-Copy Pro.
U282 **TERMINUS 2.0** - Rewritten form Jrcomm. The best communications package for users with fast modems.
U283 **LOCKPICK V2** - Removes copy protection from roughly 450 commercial titles.
U290 **CHARACTER GENERATOR** - For Advanced Dungeons & Dragons players.
U291 **RELOKICK v1.4** - New version of this A500+, A600 and A1200 downgrader to Kickstart 1.3. Helps make many A500 only titles work on your machine.
U293 **PARBENCH** - Link up two Amigas, or Amiga to CDTV for communicationg between them or file transfers.
U294 **POOLS TOOLS** - Comprehensic Pools predictor.
U297 **LISTER 2.1** - Disk magazine creator.

DEMOS

D148 **STATE OF THE ART** - By Space Balls. •A1200 USERS, DISABLE CPU CACHES•
D161 **FAIRLIGHT 242** - 29 meg of graphics crammed on a single disk. Stunning routines.
D159 **LETHAL EXIT** - •A1200 ONLY•
D157 **DESTINATION UNKNOWN** - The best AGA vector demo yet! •A1200 ONLY•
M127/128 (2 DISKS) **JESUS ON E'S** - 27 minutes of Rave. •REQUIRES 2 DISK DRIVES•
D160 **TECHNO TRACKS II** - Rave demo from the United States. •1200 ONLY•
S93 **REVELATIONS** - Stunning slideshow.
S94 **NIGEL MANSELL AGA SLIDESHOW** - Nigel in his Formula One days. •A1200 ONLY•
S91 **MANGA** - Japanese cartoon slideshow.
M139 **CLASSIX 2** - Classical music from Bach, Handel and Pachelbel.
A151 **THE LEMMING SHOW** - Starring Suicide man. Not for the squeamish.•REQUIRES 1.5 MEG•
D156 **JETSET** - Funky.
D153 **RETINA** - Flashy demo. •1200 ONLY•
D145 **PIECE OF MIND** - Star Trek spoof.
M134 **RHAPSODY IN BLUE** - Jazz.
M135/136 (2 DISKS) **NUTCRACKER SUITE** - Makes a welcome change.
M130-134 (4 DISKS) **A TO Z OF C64 TUNES** - Hundreds of classic C64 tunes packed onto 4 disks. Great value.
M125 **MUMBO JUMBO** - Very lively.

FINAL FRONTIER
ISSUE # 5

We also stock the Final Frontier disk magazine at only £6.00 inc P&P.Four action packed disks full of news, reviews.Everything on Star Trek and The Next Generation. Interviews with the stars and convention news. Loads of features. Plus exclusive artwork from Tobias Richter.

THIS IS NOT PUBLIC DOMAIN, THIS DISK MAGAZINE COMES WITH IT'S OWN PERSONALISED LABELS. AND AUTHORS GET PAID ROYALTIES FOR THEIR WORK.

£1.00 PER DISK FOR 25 OR MORE DISKS!

P S D — THE PROFESSIONAL STANDARDS FOR DISTRIBUTION ENDORSED BY COMMODORE UK

EST. 1991

A600/A1200 IF YOU OWN AN A500+, A600 OR AN A1200, THEN OWN A COPY OF KICK 1.3 EM400

DELTRAX PD
Tel/Fax: 0492 515981
PUBLIC DOMAIN AND SHAREWARE AT ITS VERY BEST

A600 OWNERS GET NUMPAD EM397 TO GET MORE PROGS WORKING

CENTRAL LICENCEWARE

£1.00 PER DISK FOR 25 OR MORE DISKS!

EST. 1991

UTILITIES
U1 GHOSTWRITER Demomaker, easy to use
U1A GHOSTWRITER DATA For use with U1
U5 LOADSAICONS Guess what!
U11 ICONMANIA Icon utilities
U42 DISK SALVAGE DIR-UTIL Repairs disks
U54 QUICKBENCH PLUS Alternative W.B.
U58 ANTI FLICKER Stop Screen flicker
U59 WINDOWS BENCH (2 disks) Excellent for W.B. 1.3
U80 MESSY SID II Dir-tool Amiga to PC
U73 DIRWORK
U82 DYNAMIC DUO UTILITIES 1
U90 CLI HELP + OTHERS Insight into the CLI
U91 MCAD DEMO Computer aided design
U95 ELECTROCAD DEMO Latest circuit design
U125 CROSSDOS Amiga to PC
U169 DESIGNER DISK SET (3 Disks) Understand Amiga better
U183 HACK PACK (2 Disks) 72 Utils for code busters
U190 SID V2.0 Dir tool, excellent
U195 LITTLEBENCH Alternative WB
U206 ENERGY UTILITIES – 37 in all
U229 GAMES CHEAT LIST 2
U230 INSTALL Install your disks without the CLI
U237 THE GURU V2.0 A500+/A600. For your kick
U241 WHAT IS V1.2A File utility
U242 MSH V1.3 Handles MSDOS files
U260 SUPERLOCK V1.01 Security prog. lock off Amiga
U262 DARKSTAR UTILS 2 Full of ideas
U263 DARKSTAR UTILS 3 lots
U264 DARKSTAR UTILS 4 more
U267 ARP V1.3 Alternative commands
U271 NBS SPEEDBENCH Fast loading W/Bench
U282 SUPER C DIR TOOLS Fast use of C
U288 EYE OF THE BEHOLDER CLUES Hints
U297 COMPUTEREYES ICONS
U308 AMOS COMPILER UPDATE 1.34
U318 MULTIDOS PCs/Amiga
U320 CLI-UTILS Very useful
U321 AMOS 1.34 UPDATE
U323 WINDOWS BENCH V2.0 (2)
U330 FLASHDISK RELEASE 3 Optimiser
U332 ASSASSINS HANDY TOOLS V3.0
U343 WORKBENCH HACKS (A500+/A600*)
U346 PROF DEMO CREATOR V1.1
U349 SUPER POWER PACKERS
U350 MYSTIX MOD 3
U351 WORKBENCH HACKS
U352 C-COMMANDS
U356 PHANTASMAGORIA Hardware Collection
U361 ROM Directory util
U383 LSD LEGAL UTILS 32
U384 LSD LEGAL UTILS 43
U385 LSD LEGAL UTILS 44
U386 LSD LEGAL UTILS 45
U387 LSD LEGAL UTILS 46
U388 LSD LEGAL UTILS 47
U389 LSD LEGAL UTILS 54
U390 LSD LEGAL UTILS 55
U391 HACKTAR 1.6 Ace Creator
U392 STD CODE FINDER U.K.
U393 RAD BENCH 1.4 Make use of your RAM
U396 FILE FINDERS & Q MOUSE
U399 TOGGLE CLICK A600/A1200 only-Stops drive click
U404 ENGINEERS KIT Diagnostic tools
U408 TOOLS FANTASTICA
U412 LYAPUNOVIA Picture generator
U413 ARESTAURE Mends deleted files
U414 FAST INTRO MAKER
U415 P-COMPRESS Packer
U416 S-TEXT Text packer
U417 LSD LEGAL UTILS 33
U418 LSD LEGAL UTILS 34
U419 LSD LEGAL UTILS 48
U421 KINGFISHER Fish index to 840
U423 LYAPUNOV Fractal generator
U424 ICON AUTHOR Iff images for Icons
U425 AUTOSAVE Save at intervals automatically
U426 EASY BENCH (2 disks) WB2 and above
U427 MENU MASTER 3
U428 PARNET (2 disks) Link two Amigas
U429 AMOS PRO UPDATE Latest
U430 XPK COMPRESSION UTILS
U431 WB2 UTILS
U433 AMOS PRINTER ROUTINE For Amos progs
U434 V MORPH v.2b Create great effects
U435 BANNER Make your own
U436 HEAD CLEANER For drives
U437 DISK SALV 2 Latest & greatest! WB2 & above
U438 CSH SHELL v.5.31 Easy to use
U441 DISK MASTER III
U442 FRED FISH CATALOGUE 1-890
U443 PP SHOW v.3.4a
U444 HYPER use with Amigaguide
U445 AMIGAGUIDE (2 disks) Hypertext utility
U446 All v1.35 for archivers
U447 ADOC v3.01 help utility
U448 A-DIRECTEST v3.03 checks integrity
U449 SOFTPROJECT write protection
U450 SUPERDARK v1.2 screen blanker
U451 APRF v1.4 print utility
U452 QUARC v1.1 for CLI based archivers

COMMUNICATIONS
C 25 COMMSOFT Needs C26
C 26 COMMSPANION Needs C25
C 62 AZ-COMM Modem programme
C222 JR COMM v1.02 For modems
C249 TERM II v1.1 Comms prog WB2/3
C303 OPTI COMMS Inc.N Comm 2
C347 SATELLITE TRACKER
C357 to C382 AMATEUR RADIO 1 - 26 except AR7 (25 disks)
C383 N COMM v3.0 Latest
C384 BBBBS (3 disks) Bulletin board system
C385 TERM v3.4 (2 disks) WB2/B
C386 SPOT Fidonett util
C387 TERMINUS JR Comm 2

VIRUS HELP
VH 44 MASTER VIRUS KILLERS v2.0
VH 93 WARRIORS VIRUS KILLERS
VH218 NEW SUPERKILLERS v2.5
VH235 BOOTX v3.0ED
VH312 LINK VIRUS DETECTOR
VH344 VIRUS CHECKER v6.15
VH409 EXTERMIN 8
VH411 VIRUS Z – Latest
VH412 NEW WB3 SUPER KILLERS
VH413 ANTICICLOVIR v2 Link virus detector
VH414 VIRUS CHECKER v6.22

EDUCATION
E6 LEARN & PLAY (2 disks) Early learning
E9 MATHS DRILL
E10 TYPING TUTOR
E12 SIMON'S COLOURS & SPACE MATHS
E13 STORYLAND 2 Save toyland
E14 TC ASTRONOMY Book on a disk
E15 TC DINOSAURS Learn about them
E17 SPELLCHECK Learn foreign words
E18 TRANSLATOR Spanish, French, Italian
E19 COLOUR IT V1.3 For younger kids
E23 COLOUR THE ALPHABET Very good
E24 DTP – FOR KIDS Excellent
E25 ALGEBRA
E26 MATHS WIZARD Let the Wizard help
E27 AMOSAGRAM Playing with words
E28 BLACKBOARD MATHS
E29 KING JAMES BIBLE (4 disks)
E30 MR MEN STORIES All your favourites - 1.3 only
E31 READY ROBOT Full of games
E32 SCIENCE 3 – Physics
E203 MULTIPLOT vXLNE (2 Disks) Data plotting prog
E258 MATHPLOT Lin/log plotter
E259 PLOTTER v3.90 2 dim math plots
E311 AMIGA TUTORIAL Beginners will like this
E322 AGRAPH Pie charts & others
E334 SACC TO SCHOOL Kids puzzles, very good
E335 FIREWORK ALPHABET Learning aid demo
E336 GRAMMAR Correct your errors
E337 WORLD GEOGRAPHY Very useful
E338 CHEMBALANCE Chemical equations
E339 MATCH WITH HUMPTY
E340 AMIGA WORLD Info on every country on Earth
E341 SINGALONG NURSERY RHYMES
E342 PICTURES & LETTERS
E343 NODDY'S PLAYTIME (Amos)
E344 GREAT WOMEN OF OUR TIME
E345 GAS TURBINE ENGINE Anim.
E346 4 STROKE ENGINE Anim.
E348 WW II HISTORY BOOK
E349 A VISIT TO THE RED PLANET Mars
E350 EVO Evolution of man
E351 FRACTIONS
E352 GCSE MATHS
E353 10 OUT OF 10 DEMO Maths
E354 COMMUNICATE Sign language
E355 LITTLE TRAVELLER Tourist
E356 ASSASSINS BACK SKOOL (3 disks)
E357 TWO STROKE PETROL ENGINE ANIM
E358 JAPANESE Learn the language
E359 KEYBOARD TRAINER v1.1 Typing tutor
E360 IRREGULAR VERBS - Quiz
E361 HOW THE EARTH BEGAN
E362 CHESS TUTOR
E363 ELEMENTS
E364 ANIMAL LAND 1 Ages 4+

EMULATORS
EM 87 SPECTRUM + 40 GAMES
EM139 A64 v1.0 C64 emulator
EM141 IBeM PC emulator
EM143 ST EMULATOR
EM149 C64 GAMES DISK 1 use with
EM150 C64 GAMES DISK 2 emulator
EM215 A64 EMULATOR v2.0* (2 disks)
EM306 MS-DOS PROGS FOR PC TASK (6 Disks)
EM324 KICKSTART 2 1.3 users get this!
EM397 NUMPAD (A600 ONLY) Numeric keypad
EM400 KICK 1.3 (kickstart 2 & 3 only) Degrades to Kickstart 1.3
EM410 DEGRADER Degrades to 1.3
EM412 FAKEMEM Degrades to 1.3/512k
EM413 KILL AGA v2 Turn off AGA chipset
EM414 KICKSTART 3 EMULATOR Upgrades WB2
EM415 PC TASK v2.03
EM416 SPECCY EMULATOR v1.7 All Amigas
EM417 S KICK Switch WB 3.0 to 1.3
EM418 Z KICK A600 emulator

HARD DRIVE UTILS
HD102 HARD DISK UTILS Excellent collection
HD223 DELTRAX HD UTILS 1 Filefinder, HDClick
HD395 RE-ORG V2.3 Optimiser
HD397 HD CLICK v2.53
HD398 MR BACKUP v1.14B
HD399 BACKUP
HD400 C DISK Optimiser

DEMOS
D110 BUDBRAIN MEGADEMO 3
D143 END OF THE CENTURY 1999 No Brain-No Pain
M159 PINK FLOYD - THE WALL (6 disks)
M183 SANITY - YESTERDAY Brill!
D201 CRIONICS MEGADEMO
D207 KEFRENS MEGA DEMO VIII (2 disks)
D301 GULF WAR CONFLICT ***
D303 THE DATING GAME *** (3 disks)
D304 UTOPIA TOTAL CONFUSION
D305 ODYSSEY (5 disks)
D306 ANARCHY-SEEING IS BELIEVING
D307 CRIONICS HARDWIRED (2 disks)
D308 RAZOR 1911 VOYAGE
D310 WACKO METAPHORPH ANIM *
D311 ROBOCOP/RUNNING MAN ANIM *
D312 KEFRENS DESERT DREAM 1993 (2 disks)
D313 JESUS ON E'S (2 disks) 20 mins WOW!
D314 A1200 INTROS
D315 HOY AGA DEMO
D316 BAIT MASKING New 2 meg Schwartz anim
D317 TECHNOLOGICAL DEATH Like space balls Mega!
D318 SPACE BALLS Brill!
D319 TEKNO-A-TAK MEGA RAVE
D320 HOY AGA DEMO 2
D321 TROJAN TECKNO TRACKS
D322 DANCE TRASH (2 disks) Rave
D323 NIGHTBREED (2 disks) AGA Slides
D324 SILENTS DEMON DOWNLOAD (2 disks)
D325 3D DEMO by Anarchy
D326 THE GATHERING 93 Stunning pics!
D327 FERRARI AGA SLIDES (1200 only)
D328 CYCLIC ART
D329 CYNOSTIC SLIDES (1200/4000 only)
D330 SILENTS EXPOSE (2 disks)
D331 POSEIDON CEREBAL LOBOTOMY (not 1.3)
D332 BATTLE OF BRITAIN Anim
D333 STONEARTS ATMOSPHERE Great!
D334 KEFRENS DANE Short & Sweet!
D335 KEITH RHODES PICS Fantasy (1200 only)
D336 SPACEBALLS MOBILE
D337 RETINA BURN AGA
D338 PANTA RHEI AGA
D339 DIMENSION X Rave demo
D340 SUPERVIEWER v2.4 Quality slides
D341 QUALITY TIME (4 disks) Schwartz anim 5 meg required

PRINTER DRIVERS
PD177 PRINTER DRIVERS (2 Disks) Loads of 'em!
PD200 PRINTER DRIVER GENERATOR Make your own
PD275 JOY OF PRINTING Drivers + fonts
PD281 PRINT STUDIO 41 drivers – good
PD327 CANON PRINTER DRIVERS
PD328 PRINTER DRIVERS UPDATE 3
PD335 PRINTER DRIVERS Canon BJ10e
PD358 CANON PRINTER DRIVER BJ130 etc
PD407 PRINTER DRIVERS Star/Epson/Pan/HP
PD408 HP550C Printer Driver
PD409 HP PRINTER DRIVERS
PD410 PROF PRINTER DRIVERS
PD411 STAR PRINTER DRIVERS

BUSINESS
BU86 JOURNAL Accounts, simple to use
BU99 AMIBASE V3.76 Database
BU104 BANK'N Cheque account
BU105 AMICASH BANKIN Accounts
BU106 Q BASE & SPREADSHEET Addresses
BU108 VISICALC SPREADSHEET Like Lotus 123
BU111 ANALYTICALC * (2) Spread-sheet, powerful
BU112 FLEXBASE V2.0 DBase
BU124 BUSINESS CARD MAKER
BU128 SCALC & WORDWRIGHT Spreadsh. proc
BU129 WORDWRIGHT & SPELL W/proc and check
BU131 U-EDIT W/PROCESSOR
BU131 TEXTPLUS W/PROCESSOR
BU132 600 BUSINESS LETTERS Just load 'em in
BU134 QED TEXT EDITOR
BU135 AMIGAFOX DTP V1.1 Puts pics with text
BU136 AMIGASPELL Spellchecker
BU137 WORD FRENZY-QBASE & SPELL
BU138 AMIGAFOX V1.0 W/Processor
BU145 TEXT ENGINE V4 W/Processor latest
BU152 AMIBASE PROF II V1.2 D/Base
BU158 MICROGNUEMACS Text editor
BU162 A-Z SPELL Spellchecker
BU171 ILLINOIS LABEL PRINTING
BU172 INVOICE PRINTER
BU185 HOME BUSINESS 1 – NAG Diary
BU186 CLERK V4.0 Accounts – latest
BU204 MAIL-O-DEX Mail Database
BU212 LABEL DESIGNER
BU213 TEXTRA Text editor
BU231 SPELLCHECK V1.2
BU248 CHECKBOOK ACCOUNTANT Very good
BU251 BUDGET V1.3-4 Finances
BU252 ANNOTATE A500+/A600 ONLY. Text editor
BU253 ANALYRIM (2 Disks) ** S/Sheet + D/Base
BU254 SUPERSPELL Global spell check
BU301 FORMS UNLIMITED Loads
BU304 P SUITE V1.4
BU314 P WRITER Text editor
BU324 WORDPOWER Thesaurus
BU325 EDWORD W/Processor
BU326 ADDRESS BOOK
BU327 BOILER PLATE W/Processor & Bus. letters
BU328 LITTLE OFFICE WP, S/S, D/B + Graphix
BU329 MORTGAGES ANALYSER
BU330 PRINT A CARD Design
BU331 LCD CALCULATOR
BU332 AMIGA MAIL Address lists
BU333 MAILBASE Addresses & labels
BU334 PC FORM LETTERS
BU335 PAY ADVISE ANALYSER PAYE, NI etc
BU336 MONEY PROG * Good accounts
BU337 CHEQUE BOOK Accounts prog
BU339 D LAB Disk labeller
BU340 LOGINFO Phone bills for modem
BU341 EASYCALC New spreadsheet
BU181 B BASE II Database
BU319 ORDER v1.7 Database
BU342 LS LABEL Label print
BU343 DATABASE WIZARD
BU398 ADDRESS PRINT v3.0
BU399 TEXTPLUS v4.0 Hard Drive only
BU400 ENVPRINT Address envelopes
BU401 P.E. PRINT UTILS Labelling progs
BU402 TRUE ED Excellent editor
BU403 FTX ACCOUNTS
BU404 ACCOUNT MASTER 2.1
BU405 TURBO TEXT v1.1 very impressive w.processor
BU406 ADM v1.01 Flexible address d/base
BU407 A-BASE Great database
BU408 GOLD ED - Fully functional - fantastic!

HOBBIES
H 88 CROSSWORD DESIGNER
H148 A-GENE Family history
H175 GOLF RECORDER v 1.84
H202 ROAD ROUTE USA
H214 FOOTBALL LEAGUE EDITOR
H247 CALORIE BASE For recipes
H250 DARTS LEAGUE D/BASE
H258 CULT TV VOL 1 TV series info
H299 WHOM 2 Data on TV progs
H302 LAST WILL & TESTAMENT
H305 ASTRO 22 v 3.5 Latest astrology
H307 FAMILY HISTORY D/BASE
H310 TEN PIN BOWLING D/BASE
H333 AMIGA PUNT Horse racing
H336 PERM CHECK v1.0 Pools predicter
H342 STITCHERY Cross stitch work
H359 RACE RATER Horse predicter
H360 QUESTION ATORT Quizmaker
H361 NEW BIORYTHMS Excellent prog.
H362 WINE MAKERS D/BASE
H363 CYCLING M Useful
H364 DARTS MACHINE Score recorder
H365 AMYGEN Family history
H366 POOLS WIZARD Demo
H367 MING SHU Chinese Astrology
H368 ASTRONOMY 2 Data & graphics
H369 AMERICAN FOOTBALL (2 Disks) Rules
H370 LANDSCAPE GARDENING
H371 GENEALOGIST WB2 and above
H372 TOP OF THE LEAGUE Football Manager
H373 COURSE FORM Horse racing
H374 FORECASTER Horse race predictor
H375 STARVIEW Astronomers
H376 CODE MUNGUS v5.7 Highway Code
H377 FOOTBALL FORECAST DEMO
H378 BON APPETITE Recipe database
H379 POOLS TOOLS 2 Pools progs
H380 SEE THE AURA (2 disks) human aura

COPIERS
CP147 PD COPY PROF v3.0
CP234 FLASH COPY Multi-tasking
CP257 FREE COPY v1.8 Removes protection
CP313 NIB v2.0 Removes protection
CP340 ASI CRUNCH 'N' COPY 2 Collection
CP341 COOL COPIER v2.0 Fast & safe
CP348 ASI DISK COPIERS Collection
CP349 LOCK PIC 2 Removes protection
CP350 D COPY v3.1
CP351 MAVERICK COPIER Rem. protection
CP352 SAFE II Powerful copier
CP353 MEGA MONITOR Action replay type
CP354 THE DISK UTIL WB2+
CP355 SUPER FORMATTER v1.0d
CP356 SUPERDUPER v2.02

PROGRAMMING
PR 47 C LANGUAGE MANUAL (3 Disks)
PR 49 C LANGUAGE COMPILER
PR 72 PASCAL LANG PROG
PR 94 POWER LOGO v1.0 Lisp & Logo
PR110 PDC (3 Disks) Programmers aid
PR118 BC-FORTRAN
PR186 AMIGA CODERS CLUB (6 Disks)
PR225 CURSOR COMPILER Basic language
PR239 DME V1.45 Programmers Text Editor
PR243 DICE v2.06.0 (2 Disks) C Environment
PR244 PCQ v1.2a (3 Disks) Pascal compiler
PR326 SOZOBAN C DISK AZ Text link compiler
PR355 ASM ONE Assembly package
PR357 EZASM Assemblers
PR358 C MANUAL (12 Disks) The best yet!
PR359 NORTH 'C' v1.3 (2 Disks)
PR360 LATTICE 'C' (3 disks)
PR361 ATTIC & BLIT Useful for 'C' progs.
PR362 AMIGA E v2.1 Better than C
PR363 AZAPP v2.04 binary editor
PR364 INSTALLER for software developers
PR365 MPE v1.6 M2Amiga companion
PR366 MODULA-2 language

GRAPHICS
GU163 3D FONTS (3 Disks)
GU168 CARTOON BRUSHES
GU219 TV GRAPHICS (2 Disks)
GU226 GRAPHIC UTILS
GU227 REAL 3D FONTS
GU228 REALTIMES (2 Disks) 3D Pics
GU240 RICK PARKS ART
GU245 BOOTPIC V1.2
GU246 CLIP-ART PORTFOLIO (15 disks)
GU261 LARGE FONTS DISK
GU265 SCANNED CLIP-ART (3 Disks)
GU266 PG CLIP-ART
GU268 EXILE FONTS
GU269 DYNAMITE FONTS
GU270 FONTS & SURFACES
GU272 CLIP-ART COLL (8 Disks)
GU273 CLIP-ART VOL 1 (7 Disks)
GU274 FONTLIB
GU276 SOMETHING FOR NOTHING 1
GU277 SOMETHING FOR NOTHING 2
GU279 DYNAMITE FONTS 2
GU280 HACK FONTS 1 (2 Disks)
GU283 COSMOPOLITAN FONTS 1
GU284 COSMOPOLITAN FONTS 2
GU285 COSMOPOLITAN FONTS 3
GU286 COSMOPOLITAN FONTS 4
GU289 SONIC DEV CONVERTERS PACK
GU290 BEATRIX POTTER CLIP-ART
GU300 GELIGNITE FONTS
GU309 RAY DANCE (2 Disks)
GU310 T.S.P. PICTURE FONTS
GU311 DISK MANAGER + FONTS (Plus only)
GU312 SHADOW MAKER
GU313 MOVIE MAKER
GU314 ANIMATIONS BRIDGE V1.0
GU315 PLOTTING & GRAPHICS
GU316 DOCK ICONS
GU317 ASSASSINS MULTI-VISION V1.0
GU318 THE SNOWMAN CLIP-ART
GU319 PAGESTREAM 2.1 FONTS (5 disks)
GU320 WALT DISNEY CLIP-ART
GU321 MAGNETIC PAGES V1.3
GU322 COMPUTEREYES FONTS PACK 1
GU323 COMPUTEREYES FONTS PACK 2
GU324 COLOURED ICONS
GU325 GRAPHICS RIPPER
GU362 DIRECT ACTION Anim creator
GU363 M.A.K. Mandelbrot adv kit
GU402 FREE PAINT Copy of DPaint
GU403 VIEWTEC v1.02 AGA graphics display
GU404 FONTS DISK 1 Large & small
GU405 DIGI FONTS Good variety
GU406 COLOUR FONTS 1 Modern, Olde, Pica
GU407 COLOUR FONTS 2 Marble, Rocks, Grids
GU408 COLOUR FONTS 3 Dimond, Eye, Sun
GU409 COLOUR FONTS 4 Digi/Font brushes
GU410 COLOUR FONTS 5 Cinnam 8, 16 etc
GU411 COLOUR CLIP-ART Hi/Med/Low for DTP
GU412 COLOUR CLIP-ART Animals
GU413 CLIP-ART Animals B&W IFF
GU414 CONTACH CLIPART 1 Cartoon, Zodiac
GU415 CONTACH CLIPART 2 Buildings, Xmas
GU416 CONTACH CLIPART 3 Signs, Teddys, Work
GU417 GRAPHICS TOOLS 2
GU418 RAYSHADE (3 Disks)
GU419 PRO PAGE TEMPLATES
GU420 PRO PAGE HELP
GU421 DPAINT TUTOR Learn to use it
GU422 SPECTRA PAINT
GU423 THE DESIGNER Arcade backgrounds
GU424 RJ UTILS Perfect Paint, Image W/Shop
GU425 FONT FARM 3
GU426 FONT FARM 1
GU427 FONT FARM 2
GU428 VIEW 3.2 Anim Player
GU429 HAM LAB PRO v2.08 Picture Converter
GU430 ICONS GALORE
GU431 STILL STORE
GU460 QUICK GRAB AGA
GU462 POST postscript interpreter
GU463 POST SCRIPT FONTS 1
GU464 POST SCRIPT FONTS 2
GU465 POST SCRIPT FONTS 3
GU466 GELIGNITE FONTS 4

MUSIC UTILITIES
MU2 MODULES ONE
MU3 MODULES TWO
MU4 MODULES THREE
MU5 MODULES FOUR
MU6 MODULES FIVE
MU7 MODULES SIX
MU10 - MU47 ST SAMPLES & INSTRUMENTS PROGS (38 Disks)
MU48 8 CHANNEL SOUND TRACKER
MU49 STAR TREKKER 1.3
MU51 MODULE/SONGS 2
MU77 MED 3.2 Music editor
MU193 OCTAMED v1.0b FF579 Music editor
MU256 MULTI-PLAYER V1.11A Music
MU317 DENNIS SAMPLES DISK 2 Madonna etc
MU318 DENNIS SAMPLES DISK 3 Baby cough etc
MU319 DENNIS SAMPLES DISK 4 Telephone etc
MU321 DENNIS SAMPLES DISK 6 Star Trek etc
MU322 DENNIS SAMPLES DISK 7 Heavy monster etc
MU323 ASSASSINS AUDIO MAGIC VOL 1.1 Lots
MU324 ASSASSINS AUDIO MAGIC VOL 2 Trackers
MU325 SOUND APPLICATIONS A & B (2 Disks)
MU326 MEGA MON v 3.20
MU327 SAMPLE MAKER
MU328 CASIO CZ-101
MU329 DX 100
MU330 PENDLE EUROPA
MU331 AUDIO ANIMATION STUDIO
MU332 INSTRUMENTS & SAMPLES
MU333 PROTRACKER v2.2
MU334 NOISETRACKER v2.0
MU335 SOUND TRACKER v4.0
MU336 PROTRACKER v2.3 Latest
MU337 ASI AUDIO MAGIC Vol 3 Trackers
MU338 ASI AUDIO MAGIC Vol 4 Inc Pro Tracker
MU339 OCTAMED V2.0 8 channel MED sequencer
MU340 CDTV PLAYER Simplifies audio CD's
MU341 SUPERSOUND v2.1 Sound sampling
MU342 SOUND Sample player
MU343 DESKTOP GUIDE TO ELECTRONIC MUSIC
MU344 TAB MASTER Music to guitar translator
MU345 POWERCUTS Good sound effect samples
MU346 BEATS (5 disks) Drum Samples
MU347 VOCALS (5 disks) Super Samples
MU348 DRUM KIT SAMPLES (3 disks) High quality
MU349 KORG SAMPLES Keyboard Sounds
MU350 MUSIC MODULES (5 disks) Large modules
MU351 PURE SAMPLES (3 disks)
MU352 METAL MODULES (5 disks) Heavy Metal
MU353 CHIPMANS SAMPLE DISK 1-70 Samples
MU354 SAMPLE FACTORY Sound effects
MU355 DELITRACKER Sound player
MU356 POWER PLAYER v3.9 module player

SUPERB QUALITY CLIPART
GU326 ART 1 (2 Disks) Weddings
GU327 ART 2 (2 Disks) Houses
GU328 ART 3 (3 Disks) Religious
GU329 ART 4 WWII Aircraft
GU330 ART 5 (2 Disks) Men
GU331 ART 6 (2 Disks) Women
GU332 ART 7 (2 Disks) Kids
GU333 ART 8 Business
GU334 ART 9 Office
GU335 ART 10 Students
GU336 ART 11 Sale
GU337 ART 12 (3 Disks) Christmas
GU338 ART 13 (3 Disks) Punch
GU339 ART 14 Animals
GU340 ART 15 Cats
GU341 ART 16 Silhouettes
GU342 ART 17 (3 Disks) Schools
GU343 ART 18 Babies
GU344 ART 19 (2 Disks) Sport
GU345 ART 20 Olympic
GU346 ART 21 (2 Disks) Medical
GU347 ART 22 Sea Life
GU348 ART 23 Decorative Months
GU349 ART 24 Whacky (funky)
GU350 ART 25 Holidays
GU351 ART 26 (2 Disks) Old banners
GU352 ART 27 Art Nouveau flowers
GU353 ART 28 Butterflies
GU354 ART 29 (2 Disks) Food & kitchen
GU355 ART 30 Colouring book (DPaint)
GU356 ART 31 Borders (DTP) (2 Disks)
GU357 ART 32 (2 Disks) MAC clipart
GU358 ART 33 Horseback (scenic)
GU359 ART 34 (2 Disks) Teddy Bears
GU360 ART 35 (2 Disks) Vanity Fair (fashion)
GU361 ART 36 Halloween (weird)
GU364 ART 37 Showtime (dancing)
GU365 ART 38 Vegetarian
GU366 ART 39 Floral (detailed)
GU367 ART 40 Myths & Zodiac
GU432 ART 51 Botanical art
GU433 ART 52 Family scenes (2 Disks)
GU434 ART 53 Golf Humour (2 Disks)
GU435 ART 54 Space & transport
GU436 ART 55 Soft scene 2 – Rural pics
GU437 ART 56 Sports 3
GU438 ART 57 Navy
GU439 ART 58 Travel (2 Disks)
GU440 ART 59 Alphabet (2 Disks)
GU441 ART 60 Accents & Flashes – stars etc
GU442 ART 61 Fish & aquatic pics
GU443 ART 62 Software 3
GU444 ART 63 Restaurant (3 disks)
GU445 ART 64 More holidays
GU446 ART 65 Anim & bird
GU447 ART 66 Mossburn animals
GU448 ART 67 Bushfield kids
GU449 ART 68 Beast & Myth (3 Disks)
GU450 ART 69 Transport (3 Disks)
GU451 ART 70 Trucks & trains
GU452 ART 71 Astrology (2 Disks)
GU453 ART 72 Aircraft (3 Disks)
GU454 ART 73 Birds – songbirds etc
GU455 ART 74 Dogs
GU456 ART 75 Houses, castles & buildings
GU457 ART 76 Sports – Misc
GU458 ART 77 Horticulture (5 Disks)
GU459 ART 78 Military (10 Disks)

COLOURED CLIPART
CC 1 MAPS – Afganistan to Botswana
CC 2 MAPS – Brazil to Czechoslovakia
CC 3 MAPS – Denmark to Granada (Hi-res)
CC 4 MAPS – Guadel to Illinois (Hi-res)
CC 5 MAPS – India to Luxembourg (Hi-res)
CC 6 MAPS – Macau to Mississippi
CC 7 MAPS – Montana to New York (Hi-res)
CC 8 MAPS – Neutral zone to Iraq to S. Dakota
CC 9 MAPS – Senegal to Tuvalu
CC10 MAPS – Texas to Zimbabwe
CC11 REPTILES
CC12 ACTORS – Famous faces
CC13 ACTORS – Famous faces
CC15 AIRCRAFT – 1-26 assorted
CC16 AIRCRAFT – 27-32 & CARS 1-7, 31-16
CC18 BIRDS – 1-12 superb
CC19 BIRDS – 13-29
CC20 BIRDS – 31-41
CC21 BIRDS – 86-89
CC22 BIRDS – 100-115
CC23 BIRDS – 116-130
CC24 BIRDS – 131-138
CC26 BIRDS – 160-169
CC27 CATS – 1-16
CC28 DOGS – 1-16
CC29 DOGS – 17-32
CC30 DOGS – 33-47
CC31 DOGS – 48-67
CC32 DOGS – 66-81
CC33 DOGS – 82-96
CC34 DOGS – 97-109
CC35 DOGS – 110-128

A1200
AU14 SLEEPLESS NIGHTS – 3 utilities
AU15 A1200 UTILITIES – Gif & PCX datatypes etc
AU16 A1200 WB HACKS
AU17 ANDY'S WB3 UTILS Brill! Fakemem, AGAtest etc
AU18 24 BIT UTILS – 3 conversions progs
AU19 WINBLEND Fractal generator
AU20 JPEG UTILS Rend 24 convertor pics
AU21 HD PREP preps hard drive
AU22 HDMEM needs MMU
AU23 RD PREP preps rigid disk
AU24 HD INSTALLER
AU25 MAGIC WORKBENCH Superb icons
AU26 AGA UTILITIES 2 256 colour icon ed etc
AU27 AGA UTILITIES 3 Kill aga etc
AU28 AGA UTILITIES 4 Blank, checkaga etc
AU29 AGA UTILITIES 5 Degrader, AMIGAtodouble etc
AU30 AGA UTILITIES 6 A4091 patch, HamB, etc
AU31 A1200 VIRUS KILLERS
AU32 NEW WB3 SUPER KILLERS
AU33 A1200 INTROS
AU34 HOY AGA DEMO 1
AU35 HOY AGA DEMO 2
AU36 NIGHTBREED (2 disks) AGA slides
AU37 FERRARI AGA SLIDES
AU38 CYNOSTIC SLIDES
AU39 KEITH RHODES PICS Fantasy
AU40 RETINA BURN AGA Brill demo
AU41 PANTARHEI AGA Great new demo
AU42 STAR TREK SLIDESHOW
AU43 MSM v1.6 Martins System monitor for programmers

VIDEO WORK
V 99 CATALOGUE WORKSHOP 1
V100 CATALOGUE WORKSHOP 2
V179 VIDEO APPLICATION UTILS
V180 VIDI FONTS 1
V220 VIDEO GRAPHICS (4 Disks)
V236 CHEMINMATE Reaction anims
V345 VIDEO WIPES
V401 INSCRIPT Video titler
V402 TELE TITLE 2 Video titler
V403 VIDEO EDITORS KIT
V404 CAPTIONATOR Superb video titler
V405 HARLEQUIN VIDEO ART 1
V406 HARLEQUIN VIDEO FONTS 1
V407 HARLEQUIN VIDEO FONTS 2

GAMES

- [illegible] **MEGABALL** Breakout – very addictive
- [illegible] **STAR TREK I** (2 disks) Space
- [illegible] **CASTLE OF DOOM** Adventure
- [illegible] **HOLY GRAIL** Text only adventure
- [illegible] **GOLDEN FLEECE** Text only adventure
- [illegible] **CARD GAMES** Harp, Plait, Queens etc
- [illegible] **SUPER TWINTRIS** Shape dropping excellent
- [illegible] **GAMES DISK 7** Backgammon etc
- [illegible] **WIZZYS QUEST** * Arcade puzzle, good graphix
- [illegible] **RETURN TO EARTH** Elite type, space adventure
- [illegible] **LLAMATRON** 512K & 1Mb Shoot 'em up
- [illegible] **BUG BASH** Shoot 'em up
- G41 **ESCAPE FROM JOVI** Space Arcade
- G43 **DOWNHILL CHALLENGE** Tactics, ski to win
- G44 **BATTLEFORCE** Fantasy roll playing game
- G45 **DRAGON CAVE** Dungeon Master type
- G49 **MECHFIGHT RPG** Roll playing game
- G52 **GREYSLAYER** Arcade adventure
- G53 **SCUM EATERS** Shoot 'em up
- G54 **STAR TREK 2** * (3) Arcade adventure
- G55 **POM POM GUNNER** * Arcade shoot 'em up
- G56 **FRUIT MACHINE** * Excellent
- G57 **MECHFORCE** (2 Disks) RPG
- G58 **SEA LANCE** * Submarine Simulation
- G59 **KLONDIKE** Cards
- G62 **AIR ACE II** World War 2 S.E.U.
- G65 **MERV THE MERCILESS** Platform, good graphix
- G67 **TREASURE HUNT** (6-8 yrs) Help Long John Silver
- G68 **CHEAT LIST GAMES V1.0**
- G69 **WACKO JNR IN WONDERLAND** Kids will love this
- G70 **PARACHUTE JOUST** Good graphics
- G71 **CRYSTAL CAVERNS** Arcade adv, spells & combat
- G72 **TREK-73** Space text adv
- G73 **ZEUS – THE GAME** Puzz tiles
- G74 **DUNGEON DELVER** (2 Disks) Mazes
- G75 **PICK UP A PUZZLE** * (2 Disks) Jigsaws
- G76 **CHAINSAW DEATH** * Futuristic maze type
- G77 **CAN YOU PICTURE IT** * (2 Disks) Jigsaw
- G78 **CROSSFIRE** * Excellent for kids
- G79 **BALLOONACY** * Bomb the skyscrapers
- G81 **DEMOLISION MISSION** * Bomber
- G82 **BLACKJACK** Card game
- G84 **PETER'S QUEST** Arcade –Rescue the Maiden
- G85 **KIDS PAINT** Colouring book
- G88 **AMIGAMAN GAMES** 10 games
- G90 **SHAPES** Very playable for kids
- G91 **GO LOOLY** S.E.U. Good graphix
- G92 **STAR TREK THE NEXT GENERATION**
- G93 **BLOCKIT** Good graphix – Ace
- G94 **HACK** Text adv
- G95 **DRAGON TILES** Great tiles game
- G96 **BOARD GAMES**
- G97 **ATIK ATAK** C64 game
- G99 **BART SIMPSON** Scrolling S.E.U.
- G124 **PIPE RIDER** Space Invader S.E.U
- G125 **RAMIFY** Pairing
- G126 **RUSH HOUR** Frogger – Get across the road
- G127 **TOMTESPELET** Speed ball type
- G129 **WET BEAVER GAMES** Pong
- G130 **WIZARD WORLD** S.E.U. Platform
- G131 **WORLD OF FOOLS** S.E.U. collection – Excellent
- G133 **CARD SHARP** 5 card games
- G134 **TOTAL WAR** Risk type
- G135 **AIRMANIA** Platform
- G136 **SKYFLYER** WWII S.E.U.
- G137 **PUGGLES** Q'bert brill
- G138 **SQUATS REVENGE** Wolf clone
- G139 **PAIR IT** Shapes
- G140 **GAMES COMPILATION I** 6 games
- G141 **ATLANTIS I** Strategy
- G142 **NAPOLEONIC WAR SIMULATION** Strategy
- G143 **MISSION RAID PART II** S.E.U.
- G144 **SNAKES & LADDERS** Good
- G145 **SNAKES GALORE VOL 7** For the young
- G146 **AIR WARRIOR** Flight simulation
- G151 **E-TYPE** Arcade S.E.U.
- G152 **DUNGEONS OF NADROJ** Hacktype
- G153 **QUICK & SILVER** Platform. Excellent
- G154 **MASTER OF THE TOWN** Shoot the sign posts
- G156 **ETHOS** Text adv + pics
- G157 **BATTLE CARS** 3D cars S.E.U.
- G158 **CHALLENGER** Quiz - 5 player
- G182 **CATACOMB** Graphic adv – very well done
- G183 **KINGDOM AT WAR** War games
- G184 **SMASH TV RIPOFF** S.E.U. Futuristic
- G185 **DOODY** Mario type platform
- G186 **PICK OUT** Pair it. V. good
- G187 **NU-SHOOT EM UP** Space
- G188 **SOLID QUAD** * Racing – Fab!
- G189 **STRIKE BALL** Baseball. Brill!
- G190 **PARAGON** Marble Slide
- G192 **CRAZY SUE** Platform. 1st rate
- G193 **HENRY IN PANIC** Manic Miner – very addictive
- G194 **CONCENTRATION V3.3** Pair it – amazing graphix
- G195 **DESTINATION MOONBASE** Thrust
- G196 **ESCAPE FROM JOVI III** Caves
- G197 **NO MANS LAND** War S.E.U.
- G198 **DOMINOES** V. Good
- G199 **RAPHAELS REVENGE** Turtle S.E.U.
- G200 **MIDNIGHT THIEF GAME** Adv
- G201 **LAMER GAME** Wolftype shoot the beasties
- G202 **LETTRIX** Shapes with time limit
- G204 **GRUB GRABBER II** Help Elvin! Avoid gremlin
- G205 **SWORD OF WORLOCK** 3 disk Adv.
- G206 **A NIGHT AT THE TOP** Terrorist adv
- G207 **NIGHT AT THE TOWN** Text adv
- G208 **QUADRIX** Puzz. Excellent
- G209 **YUM YUM** * Pacman
- G210 **REVENGE MUTANT CAMELS** S.E.U.
- G211 **BATTLEMENTS** Hunchback platform
- G212 **LEMMINGOIDS** Blast them!
- G217 **WEIRD IN EDGEWAYS** Puzzle
- G218 **KARATE WORM** Platform-cute
- G219 **SNAKE IN THE GRASS** Platform – neat
- G220 **WAR OF THE FOUR** Graphic adv
- G221 **WIZARDS DOMAIN** Graphic adv
- G222 **PIXIE KINGDOM** (2)
- G223 **ARCADIA** Breakout – very popular
- G224 **PORK A PORK** Pop the balloons – stop the foxes
- G225 **MR BRICK** – Mario type
- G226 **RAID III** S.E.U. – wicked
- G227 **SERENE III**
- G228 **WOTSITSNAME** Quiz
- G229 **TETREN** – tetris
- G230 **NUMPTY & THE ALIEN INVADERS** Manic Miner
- G232 **LOTHIAN** Graphic adv
- G233 **OMEGA RACE** S.E.U. Great
- G234 **MENTAL IMAGES DISK 2** 3 games
- G262 **MR & MRS** Young platform – very good
- G263 **TANX** Great 98%
- G264 **DEFENDA** Arcade 95% Brilliant conversion
- G265 **GRAND PRIX SIMULATOR** Mega
- G266 **NUMBER FUMBLER** Number puzzle
- G267 **LEMMINGOIDS** Blast away
- G268 **GROWTH**
- G269 **SKATE**
- G270 **PROJECT 1**
- G271 **LAZER ZONE**
- G272 **LEMMINGS PACK**
- G273 **THE MAZE GAME**
- G274 **SUBCULTURE**
- G275 **APIDYA**
- G276 **SHOOT OUT**
- G277 **SUPER SKODA CHALLENGE**
- G278 **COMPUTER CONFLICT 2**
- G279 **ANTEP & SLOT CARS GAME** RPG
- G280 **TRICKY & THE TURN GAME**
- G283 **CARD GAMES 2**
- G285 **MIND GAMES 21**
- G286 **HYPER TEXT CHEATS**
- G287 **TECHNOBAN** Puzzle game
- G288 **LORD OF HOSTS**
- G289 **THE BEAST** Mission to kill
- G290 **NADILOT RUN** Cat & dog chase
- G291 **OUCH** Clobber those moles
- G292 **ABSOLUTE ADV VOL ONE**
- G293 **CHAOS STRIKES BACK** Maps etc.
- G294 **GAME TAMER** v4.01
- G302 **AMOS CRICKET** Good cricket game
- G303 **ARAZNAX** 40 levels
- G304 **HELL ZONE** Elite
- G305 **FATAL MISSION** Good shoot 'em up
- G306 **GHOSTSHIP**
- G307 **CROSSMAZE/CRYPTO KING** Words
- G308 **INTERLOCK (AMOS)** 25 levels
- G309 **TANK ATTACK & MOUTHMAN**
- G311 **THRALLBOUND** Viking Adv Text
- G312 **BOUNCE AND BLAST** Platform
- G313 **SOCCER CARDS** Run the club
- G314 **CYBERNETIX** Fast action
- G315 **STAR MIX 2** 3 games
- G316 **FLAG CATCHER** Squares puzz
- G317 **OMEGA** Adv Moria type
- G318 **TOP SECRET** Excellent graphics platform
- G319 **MADONNA** Jigsaw
- G320 **ROBOCOP GOES TO IRAQ** seu
- G321 **BACK TO THE FUTURE III** Funny
- G322 **45 CHEATS** Codes etc
- G323 **TOMCAT** F15 shoot 'em up
- G324 **SUPER QUIZ**
- G325 **POWER PONG** Boing
- G326 **MAHJONG** Tiles
- G327 **MESTER** Cards
- G328 **STARFLEET** Shoot 'em up
- G329 **EXCALIBER** Shoot 'em up
- G330 **IMPERIUM ROMANIUM** Battle
- G331 **SQUAMBLE** Very Spacey!!
- G332 **JETMAN** Good shoot em up
- G333 **MECHFORCE** v 3.71 Latest update
- G334 **PROPERTY MARKET GAME** Strategy
- G335 **ROLL ON & LAMER** Pushing
- G336 **HACKLITE** v 1.0 Moria & Hack
- G338 **DIE FILTH** (2) Brill like Swiv
- G339 **ULTIMATE HINT KIT v1.8**
- G340 **THE ACE CHEATS DISK 2** Lots
- G341 **BATTLE OF BRITAIN** Strategy
- G342 **THE SECRET OF MONKEY ISLAND** (Demo)
- G344 **ESCAPE II** Creating games
- G345 **QUIZMASTER** v 1.0 Test your knowledge
- G346 **NEBULA** Shoot-em-up fast action!
- G347 **ESCAPE** Into space!
- G348 **RUMMY** Excellent card game
- G349 **SPACE RESCUE** Super shoot 'em up
- G350 **INVADERS MARK II** Space invaders
- G371 **ERIC THE WARRIOR** Sim to Gauntlet
- G372 **KLAKTRIS** Tris type game
- G373 **CLI-TRIS** Latest TRIS
- G374 **DELUXE PACMAN**
- G375 **GALAGA 92** Shoot-em-up
- G376 **LIBERATOR GAME** Shoot-em-up
- G377 **ACK-ACK**
- G378 **CRAZY SUE 2** Latest platform
- G380 **LAST REFUGE** Invaders
- G381 **ZINGGER GAME** Karate game
- G382 **UCHESS** (AGA – A1200/A4000 ONLY) Chess game (req 4Mb RAM)
- G383 **THE NIRVANA GAME** Platform speccy type
- G385 **MORIA v5.4** Latest
- G386 **FRUIT MACHINE II** AMOS good
- G387 **OBLIVION** Defenda clone
- G388 **BOMB JACKY** Platform
- G390 **OTHELLO** Board game classic
- G391 **SOLITAIRE SAMPLER** Cards
- G392 **WILLY IN THE CASTLE** Excellent platform
- G393 **FRUIT SALAD** Platform. Reviewed in Format
- G394 **MARIO IN WONDERLAND** Brill clone – Mega!
- G395 **AGA TETRIS A1200** Magic!
- G396 **GIDDY** Great new platform game
- G398 **ATOMS** Weird!
- G399 **VECTA STORM** Brill new Tempest clone
- G400 **DIGITAL TETRIS**
- G402 **TETRIS PRO**
- G403 **SUPER PACMAN 92**
- G404 **BRIDGE**
- G405 **18th HOLE GOLF** (2 disks)
- G406 **SLIDE SQUARES** Puzzle
- G407 **THEY CAME FROM OUTER SPACE** Shoot em up
- G408 **SON OF BLAGGER** Excellent platform
- G409 **BRAINBOW** Addictive puzzle
- G410 **MYSTERY 2144 AD** Futuristic Murder adv.
- G411 **GUSH** Fab pipeline clone
- G412 **MEXICAN MASSACRE** Arcade action
- G413 **100 MEGA GAMES** (7 disks)
- G414 **BOX** Adventure game
- G415 **SLAMBALL** Future Management sim.
- G416 **MAYHEM2** Multi player manic maze.
- G417 **MUGSIE** Money making gangster adventure.
- G418 **ROULETTE + PUNTO 2** Good game (not 1.3)
- G419 **BLITZ GAMES** Worm, buzzbar, speed etc.
- G420 **SKID MARKS** Amazing driving game.
- G421 **ZOMBIE, APPOCOLIPS AND DEFENDER 2** Brill!
- G422 **BILLY BURGLAR** Just try to escape.
- G423 **OLYMPIAD** (Lemmings) 2 Disks
- G424 **CAVE FLIGHT** Dodge the obstacles.
- G425 **SERIOUS BACKGAMMON**
- G426 **AIRPORT**
- G427 **EXIT-13** Puzzle
- G429 **BOW & ARROW**
- G430 **BLOAD RUNNER**
- G431 **POPEYE**
- G432 **CASTLE NORRIS**
- G433 **THE RIGHT WAY** Lemmings
- G434 **PATIENCE** Cards
- G435 **PREMIERE PICKS** Football
- G436 **BOB N' FLOP**
- G437 **ROAD TO HELL** Racing brill!
- G438 **FIGHTING WARRIORS** Street Fighter 2 clone
- G439 **LEMMINGS 2** HD install
- G440 **NAPOLEONIC WARFARE** (2 Disks) Strategy
- G441 **TEXAS CHAINSAW MASSACRE**
- G442 **MOTOROLA INVADERS 2** (2 Disks) AGA
- G443 **SCRABBLE**
- G444 **SMURF HUNT**
- G445 **AIR TRAFFIC CONTROL**
- G446 **THRUST DUEL** Gravity control
- G447 **EXORCISM** (2 Disks) Adv. & graphics
- G448 **CONQUEST & DOMINATION** Strategy war game
- G449 **KLONDIKE** AGA (3 Disks)

BOULDERDASH

Most titles now work on A500/A500+/A600/A1200/A4000

- BD 1 - FLASCHBIER I
- BD 2 - FLASCHBIER II
- BD 3 - BOULDERDASH COLLECTION I
- BD 4 - BOULDERDASH COLLECTION II
- BD 5 - BOULDERDASH COLLECTION III
- BD 6 - BOULDERDASH COMPILATION 1/2/3/4/+ Construction Kit
- BD 7 - EMERALD EAT MINE
- BD 8 - EMERALD MINE TOOL ED v 4 (2 disks)
- BD 9 - EMERALD MINES CAVE EDITOR
- BD 10 - EMERALD PRO
- BD 11 - EMERALD PRO 3
- BD 12 - EMERALD PRO 4
- BD 13 - EMERALD PRO 4 EXTRA
- BD 14 - LAZERS EMERALD MINE 2
- BD 15 - EMERALD MINE TUTORIAL - 2nd Pt
- BD 16 - EMERALD MINES 2
- BD 17 - EMERALD MINES 3
- BD 18 - EMERALD MINES 4
- BD 19 - EMERALD MINES 10
- BD 20 - EMERALD MINES 11
- BD 21 - EMERALD MINES 12
- BD 22 - EMERALD MINES 13
- BD 23 - EMERALD MINES 14
- BD 24 - EMERALD MINES 15
- BD 25 - EMERALD MINES 18
- BD 26 - SUPER EMERALD MINE
- BD 27 - EMERALD RUNNER MINE 1
- BD 28 - EMERALD RUNNER MINE 2
- BD 29 - EMERALD EATER
- BD 30 - THE NEW EMERALD MINES
- BD 31 - RECYCLED EMERALD MINES 1
- BD 32 - RECYCLED EMERALD MINES 2
- BD 33 - EMERALD HEAD
- BD 34 - DANMARK II
- BD 35 - MARATHON MINES 1
- BD 36 - MARATHON MINES 2
- BD 37 - MARATHON MINES 3
- BD 38 - BOND MINES 1
- BD 39 - BOND MINES 6
- BD 40 - RUPPLE MINES
- BD 41 - EASY RUPPLE MINES
- BD 42 - RUPPLE MINES EDITOR
- BD 43 - WATER MINES
- BD 44 - ADVENTURES OF MR B - Part 2
- BD 45 - EAT MINES 1
- BD 46 - EAT MINES 2
- BD 47 - EAT MINES 3
- BD 48 - EAT MINES 10
- BD 49 - NO ONE MINES 1
- BD 50 - NO ONE MINES 2
- BD 51 - NO ONE MINES 3
- BD 52 - NO ONE MINES 5
- BD 53 - NO ONE MINES 6
- BD 54 - NO ONE MINES 7
- BD 55 - NO ONE MINES 8
- BD 56 - NO ONE MINES 9
- BD 57 - NO ONE MINES 10
- BD 58 - SPUD MINES 3
- BD 59 - ENEMY MINES
- BD 60 - BOBBYDASH
- BD 61 - DENMINE 1
- BD 62 - LADYBIRD MINE - KIDS
- BD 63 - INTO THE FUTURE FIELDS
- BD 64 - INTO THE FRUSTY FIELDS
- BD 65 - INTO THE COLD CAVES
- BD 66 - LABAN MINE
- BD 67 - FUN MINE 1
- BD 68 - ACE MINE 1
- BD 69 - SUPER AMIDASH
- BD 70 - ROCKNUTS 1
- BD 72 - BOULDERDASH C64
- BD 73 - PROFESSIONAL BOULDERDASH 1
- BD 74 - PROFESSIONAL BOULDERDASH 2
- BD 75 - FIRST CLASS BOULDERDASH
- BD 76 - BOULDERDASH CONSTRUCTION KIT
- BD 77 - OFFICIAL BOULDERDASH
- BD 78 - MEGA BOULDERDASH
- BD 79 - STONEAGE
- BD 79A - STONEAGE (PLUS COMPATIBLE)
- BD 80 - LITTLE BOULDER
- BD 81 - BOULDERS GROVE + EDITOR
- BD 82 - CAVE RUNNER
- BD 83 - DENMINE 2
- BD 84 - DENMINE 3
- BD 85 - DENMINE 4
- BD 86 - DENMINE 5
- BD 87 - DENMINE 6
- BD 88 - EMERALD EATER 1
- BD 89 - EMERALD EATER 2
- BD 90 - EMERALD MINE 5
- BD 91 - EMERALD MINE 6
- BD 92 - EMERALD MINE 7
- BD 93 - EMERALD MINE 8
- BD 94 - EMERALD MINE 11
- BD 95 - EMERALD MINE 16
- BD 96 - EMERALD MINE 17
- BD 97 - NO ONE MINE 4
- BD 98 - NO ONE MINE 12
- BD 99 - NO ONE MINE 13
- BD 100 - NO ONE MINE 14
- BD 101 - NO ONE MINE 15
- BD 102 - NO ONE MINE 16
- BD 103 - SUPER EMERALD MINE LAZER
- BD 104 - ADVENTURE OF MR B - Part 1
- BD 105 - RUNNER MINE 3
- BD 106 - RUNNER MINE 4
- BD 107 - BOND MINE 2
- BD 108 - BOND MINE 3
- BD 109 - BOND MINE 4
- BD 110 - BOND MINE 5
- BD 111 - BOND MINE 7.5
- BD 112 - BOND MINE 8
- BD 113 - BOND MINE 9
- BD 114 - BOND MINE 11
- BD 115 - RABOULDIX
- BD 116 - RUPPLE MINE 5
- BD 117 - RUPPLE MINE 3
- BD 118 - RUPPLE MINE 2
- BD 119 - RUPPLE MINE 4
- BD 120 - BLUE DIAMONDS 4
- BD 121 - INTO THE FRUSTY MINES

BOULDERDASH PACKS:
Any 10 = £12.50
Any 20 = £20.00
Any 50 = £47.50
Or Singly at PD Prices

ASSASSINS

We have Assassins games compilation disks 1 - 143 in stock - including 1A Assassins fix disk - Please order as ASI 1, ASI 2 etc - Most work on A500, A500+, A600, A1200

ASSASSINS PACKS
Any 10 = £12.50 Any 20 = £20.00
Any 50 = £47.50 Or singly at PD Prices.

CLASSICS

BOOKS ON A DISK
Helps with your English Literature revision!!
All disks run on A500/A500+/A600/A1200
Shakespeare Collection:

- CL 1 MIDSUMMER NIGHTS DREAM; MACBETH; JULIUS CAESER; ANTHONY & CLEOPATRA.
- CL 2 AS YOU LIKE IT; LOVERS COMPLAINT; CYMBELINE; HAMLET.
- CL 3 ROMEO & JULIET; PASSIONATE PILGRIM; PHEONIX & TURTLE; SONNETS; CORIOLANUS.
- CL 4 TWELTH NIGHT; VENUS & ADONIS; TROILUS & CRESSIDA; LOVES LABOUR LOST.
- CL 5 TWO GENTLEMEN OF VERONA; A WINTERS TALE; RAPE OF LUCRECE; PERECLES.
- CL 6 OTHELLO; MUCH A DO ABOUT NOTHING; MEASURE FOR MEASURE.
- CL 7 HENRY VI PARTS 1,2 & 3.
- CL 8 HENRY IV PARTS 1 & 2; HENRY V.
- CL 9 RICHARD II; RICHARD III.
- CL10 HENRY VIII; KING JOHN; KING LEAR.
- CL11 THE TAMING OF THE SHREW; THE TEMPEST; TIMON OF ATHENS; TITUS ANDRONICUS.
- CL12 ALLS WELL; COMEDY OF ERRORS; MERCHANT OF VENICE; MERRY WIVES OF WINDSOR.
- CL13 WORKS OF MILTON 1; PARADISE LOST (2 disks)
- CL14 WORKS OF MILTON 2; POEMS SONNETS ETC.
- CL15 WORKS OF HOMER - THE ILLIAD(2 disks)
- CL16 WORKS OF HOMER - THE ODYSSEY.
- CL17 MARK TWAIN - TOM SAWYER.
- CL18 MARK TWAIN - THE PRINCE & THE PAUPER.
- CL19 LEWIS CARROLL - ALICE IN WONDERLAND; ALICE THROUGH THE LOOKING GLASS.

WE STOCK FRED FISH 1 - 890

WE STOCK SCOPE 1 - 221

CLR LICENCEWARE

EDUCATION

- CLE01 **DINOSAURS** Learn all about certain types of Dinosaurs i.e Jurassic, Triassic and Cretaceous. 2 disks £4.50
- CLE02 **GEOLOGY** Want to know all about the Volcanos and their substances then try this. 2 disks £4.50
- CLE03 **SOLAR SYSTEM** Know more about the Solar system with info on Planets etc with pictures. 3 disks £4.99
- CLE04 **COLOURING PAD** A unique col. book to keep the kids amused for hours. 1 disk £3.50
- CLE05 **A CHORD** Learn to play the guitar by listening to nearly every single chord avail. 1 disk £3.50
- CLE06 **MATHS INSTRUCTOR** Get through the GCSE's with this Maths instructor. Trig, Quadratic, Area etc. 1 disk £3.50
- CLE07 **FRESHWATER FISHING** Think you know all about fishing? Try this. 2 disks £4.50
- CLE08 **NIGHT SKY** Look at the stars, planets etc from anywhere and click on an object for info. 1 disk £3.50
- CLE09 **WORDS + LADDERS** A word spelling game for 1 or 2 players. 1 disk £3.50
- CLE10 **BASICALLY AMIGA** Get to know your Amiga to the full. 3 disks £4.99
- CLE11 **LETS LEARN V1.1** Learn sums, tunes codes etc on this learning aid. Age range from 5-7. 1 disk £3.50
- CLE12 **ALPHABET TEACH** Try to spell what you see on the screen. 1 disk £3.50
- CLE13 **HOME BREW** With recipes to instructions on fermenting etc. Learn how to make home made wine. 1 disk £3.50
- CLE14 **ECOLOGY** Learn more about Ecology with this brill program. 3 disks £4.99
- CLE15 **FAST FRET** Learn scales on the guitar and become as good as the best (with sound). 1 disk £3.50
- CLE16 **KINGS AND QUEENS** Find out all the Monarchy's history with this program (with pictures). 2 disks £4.50
- CLE17 **THINGAMAJIG** Brill puzzle type education program. 1 disk £3.50
- CLE18 **WORK AND PLAY** 3 educational programs to help children learn easily. 1 disk £3.50
- CLE19 **PLAY IT SAFE** This will teach children what safety is inside and outside. 1 disk £3.50
- CLE20 **BIG TOP FUN** Another 4 programs to help the children. 1 disk £3.50
- CLE21 **JIGMANIA** 2 jigsaw type educational programs on this disk. 1 disk £3.50
- CLE22 **CHESS TEACHER** Learn how to play chess the easy way with this teaching aid. 1 disk £3.50
- CLE23 **MIND YOUR LANGUAGE** Like a dictionary this explains word meanings but simplified. 1 disk £3.50
- CLE24 **SPEED READING** Learn the art of fast reading if you have problems. 3 disks £4.99
- CLE25 **CHORD COACH V3.1** Learn how to play different chords on the piano. 1 disk £3.50
- CLE26 **SNAP** Match silhouettes with the colour pictures on screen. Age 3+. 1 disk £3.50
- CLE27 **C.A.T.T.** A complete Taro card translator for the physics among us. 2 disks £4.50
- CLE28 **FUN WITH CUBBY** 8 programmes to help the children learn with fun. 1 disk £3.50
- CLE29 **PREHISTORIC FUN** Learn about the dinosaurs with 4 great games. 1 disk £3.50
- CLE30 **PEG A PICTURE** Draw pics with either pegs or shapes, excel. for children. 1 disk £3.50
- CLE31 **UNDERSTANDING AMOS 2** Having problems learning Amos, not anymore with this program. 2 disks £4.50
- CLE33 **MESSERSCHMITT BF109** Learn about diff. parts of this plane with graphics. 2 disks £4.50
- CLE34 **YOUR FIRST PONY** What to look for and how to look after your first pony (book). 2 disks £4.50
- CLE35 **TC SOLAR SYSTEM 2** Sequel to set 1, superb 3 disks £4.99
- CLE36 **THE TIME MACHINE** Teaches kids to tell time. 2 disks £4.50
- CLE37 **DISCOVERY AMERICA** Learn all about colonisation of U.S.A. 1 disk £3.50
- CLE38 **HOME INVENTIONS** First in the quest for knowledge series, this picture book deals with inventions since 1750. 2 disks £4.50
- CLE39 **MY LITTLE ARTIST** Superb colouring book for children with features for disabled needs as well. Needs 1 meg chip ram. 2 disks £4.50
- CLE40 **BOREALIS JUNIOR** Kids drawing package. 1 disk £3.50
- CLE42 **COMPOSITION** A photographic tutorial. 1 disk £3.50
- CLE43 **AMOSLANGUAGE QUIZ** 1 disk £3.50
- CLE44 **PORTRAITURE** A photographic tutorial No. 2. 1 disk £3.50
- CLE45 **FUN WITH CUBBY 2** 7 progs for youngsters. 1 disk £3.50
- CLE46 **BASIC HUMAN ANATOMY** 1 disk £3.50
- CLE47 **SEA SENSE** Rules of Sea, Morse Code, signals. 1 disk £3.50
- CLE48 **ROCKET MATHS** 1 disk £3.50
- CLE49 **DINOSAURS 3** Another T.C. encyclopedia. 3 disks £4.99
- CLE50 **D.R.A.T. v2** Runestone. 2 disks £4.50

UTILITIES

- CLU01 **VIDEO TITLER** Make your videos look professional, scrollers etc. 1 disk £3.50
- CLU03 **TYPING TUTOR** Typing can be no longer a problem with this. 1 disk £3.50
- CLU04 **A-GRAPH** Create pie charts and bar graphs with ease. 1 disk £3.50
- CLU05 **SAS MENU MAKER** Make menus to suit you. 1 disk £3.50
- CLU06 **SUPER SOUND 3** Create your own tunes with this music utility. 2 disks £4.50
- CLU07 **PHILO** An easy to use but powerful database system. 1 disk £3.50
- CLU08 **WORD FINDER** Solve the crosswords easily. 2 disks £4.50
- CLU09 **PLAY AND RAVE 2** A music module linker to create music. 2 disks £4.50
- CLU10 **POWER ACCOUNTS** Keep accounts of your expend with passw'd funct. 1 disk £3.50
- CLU11 **CALC V1.3** An excellent spreadsheet for those cross calculations. 1 disk £3.50
- CLU12 **VIRTUAL WINDOWS** 1 A collection of utilities like address book, notepad, software cats etc. - disk £3.50
- CLU13 **DATOS** Easy to use yet very powerful database. 1 disk £3.50
- CLU14 **STOCK CONTROLLER** Keep up to date with your stock control. 1 disk £3.50
- CLU15 **EPOCH** Very powerful calendar utility. 1 disk £3.50
- CLU16 **CROSS STITCH** Useful needlework utility. 1 disk £3.50
- CLU17 **LC10 FONTS** Different fonts for your LC10 Printer. 1 disk £3.50
- CLU18 **LC200 FONTS** Different fonts for your LC200 Printer. 1 disk £3.50
- CLU19 **LC24FONTS** Different fonts for your LC24 Printer. 1 disk £3.50
- CLU20 **CANON BJ10 FONTS** Different fonts for your BJ10 Bubblejet printer. 1 disk £3.50
- CLU21 **INVOICE MASTER** Sort your invoices out easily with this one. 1 disk £3.50
- CLU22 **H.D.M. v1.1** A hard drive multitasking menu system. 1 disk £3.50
- CLU23 **F-15 ANIMBRUSHES** Anim brushes for use with paint packages. 1 disk £3.50
- CLU24 **RED LOTUS ANIMBRUSHES** More anim brushes for paint packages. 1 disk £3.50
- CLU25 **STAR FIGHTER ANIMBRUSHES** Even more anim brushes for paint packages. 2 disks £4.50
- CLU26 **STAR VOYAGER ANIMBRUSHES** Yet more anim brushes for paint packages. 3 disks £4.99
- CLU27 **IMAGEBASE** A very powerful image d/base to store pics text and sound. 1 disk £3.50
- CLU28 **CREATIVE ADVENTURE TOOLKIT** Makes text adv. games. 1 disk £3.50
- CLU29 **E.F.X.** programmers aid. 1 disk £3.50
- CLU30 **DRAW SELECTOR v2** Pools prediction. 1 disk £3.50
- CLU31 **FLOWCHARTER** Neat charts. 1 disk £3.50
- CLU32 **POWER TEXT 2** Word processor. 1 disk £3.50
- CLU33 **AM-TUITION** AMOS windows etc. 1 disk £3.50
- CLU34 **IMAGE DOCTOR** Picture processor. 1 disk £3.50

GAMES

- CLG05 **TRUCKING ON** Try and manage your own truck fleet, excellent. 2 disks £4.50
- CLG08 **DRAGON TILES** Old Japanese type mahjong style game. 1 disk £3.50
- CLG09 **MOTOR DUEL** Drive a 3D car shooting and racing with opponents. 1 disk £3.50
- CLG11 **ALL GUNS BLAZING** Car game for 2 players with the o'head view theme. 1 disk £3.50
- CLG12 **BULLDOZER BOB** Wipe out the screen of coloured blocks. 1 disk £3.50
- CLG13 **PARADOX** A puzzle game to test those powers of solving. 1 disk £3.50
- CLG14 **SONIC SMARTIEHEAD** Another platform style game. 1 disk £3.50
- CLG15 **SPLODGE THE REVENGE** Another platform game with puzzles to solve. 1 disk £3.50
- CLG16 **CRYSTAL MAZE** Smooth & fast pacman type. 1disk £3.50
- CLG17 **IMBRIUM DAY OF RECKONING** 1 of those graphic adv. type games, exc! 1 disk £3.50
- CLG18 **SKAN 29** Brill platformer with 228 levels and end of level monsters. 1 disk £3.50
- CLG19 **STELLAR ESCAPE** Vertical scrolling shoot em up game. 3 disks £4.99
- CLG20 **JUNGLE BUNGLE** A mouse icon driven adv. to have you playing for hrs. 1 disk £3.50
- CLG21 **FLOWER POWER** Try and grow flowers before the bugs eat them. 1 disk £3.50
- CLG22 **STOCKING FILLERS** 3 games all with Christmas themes. 1 disk £3.50
- CLG23 **MARVIN THE MARTIAN** A massive maze type game where you collect things to stay alive. 1 disk £3.50
- CLG24 **EASY MONEY** Excellent fruit machine (not plus compat). 1 disk £3.50
- CLG25 **WHITE RABBITS** Another puzzle type game. 1 disk £3.50
- CLG26 **MONSTER ISLAND** A strategy type adventure along the lines of Dungeons and Dragons. 1 disk £3.50
- CLG28 **THE RIFT** Excellent platform adventure along the lines of Turrican. 1 disk £3.50
- CLG29 **BILLY BALL** Guide Billy through 5 worlds of mazes. Excellent game. 1 disk £3.50
- CLG30 **CAPTAIN K** Collect flowers and kill baddies to move to next level. Good fun! 1 disk £3.50
- CLG31 **DIRTY RACKETS 3** Tennis platform game! 1 disk £3.50
- CLG32 **T BLOCKS** Fast reactions. 1 disk £3.50
- CLG33 **BAT 'O' ROONS** 1 or 2 player ball game. 1 disk £3.50
- CLG34 **CYBERNET** Spaceship control. 1 disk £3.50
- CLG35 **OG!** Caveman, dinosaurs & monsters. 1 disk £3.50
- CLG36 **QUINGO** Pub quiz. 2,000 questions. 1 disk £3.50

1 Disk Programs = £3.50,
2 Disk Programs = £4.50,
3 Disk Programs = £4.99

DELTRAX PD (AC),
36 Bodelwyddan Ave,
Old Colwyn,
Clwyd LL29 9NP

DISK PRICES:
1-2 Disks = £2.00 each, 3-15 Disks = £1.50 each
16-24 Disks = £1.25 each, 25+ Disks = £1.00 each

Overseas orders welcome payable in sterling please.

Catalogue disk £1.00. Fast, reliable friendly service.
Make cheques/postal orders payable to "DELTRAX PD"

POSTAGE & PACKING:
UK = 60p per order;
Europe = +20p per disk; R.O.W. = +40p per disk

Note: Prices are per disk and not per set

CLIP & POST

Name ....

Address ....

.... Postcode .... Tel ....

The new

Paul Austin puts Lightwave, the very latest Toaster-linked ray tracing and animation system, under the spotlight and asks: Can this monster topple the big boys?

As promised in last month's *AC*, Lightwave returns for the long-awaited definitive review. However, before the inside story can begin, a brief recap on the essentials is probably wise.

Before you can enjoy Lightwave you'll need the LightRave dongle and its accompanying control software. Once installed the dongle emulates the presence of a Video Toaster – thereby duping Lightwave into operation.

DOUBLE

Alas as part of this deception you're required to part with a nerve-jangling £399 for a piece of plastic that does nothing more than sit in the serial port. Worse still, the aforesaid sum doesn't include the cost of Lightwave – which regulars will remember comes as part of the Video Toaster's 46 disk software compendium.

Assuming you've installed the essential emulator/dongle, the next challenge is to add the Lightwave software to your system – the word challenge couldn't be more appropriate.

As detailed last month, installing the Toaster's software isn't exactly simple. And unfortunately even after lengthy tinkering there still appears to be no way around certain limitations inherent in the Toaster's archaic installer.

Although it is possible to terminate installation prior to completion, it's not recommended unless you're particularly well versed in AmigaDOS. Worse still is the installer's unavoidable demand on storage space.

In short, if less than 66Mb of free space isn't found on an 80Mb+ hard disk, the installer simply refuses to install any Toaster software whatsoever.

Unfortunately due to its ridiculous design there's no way to avoid the aforementioned restrictions. In addition even when installation was followed to the letter, three out of the five machines tested with the LightRave/Lightwave combination still locked up when attempting to run the software.

To be honest there's a chance this could be caused by faulty hardware on our part or perhaps the very early version of the LightRave on test, as opposed to a terminal problem between different machines. Having said that it would still be wise to secure a cast-iron money-back guarantee – just in case similar compatibility problems arise on your system...

In addition, when running on an AGA machine its wise to use the Double NTSC monitor driver, thereby ensuring smooth operation in the various Lightwave modes – something which isn't mentioned by the LightRave manual.

After running LightRave and entering Lightwave, you're taken directly to the program's layout screen. At first the temptation is to stay there forever as it's here where all the exciting elements such as mapping, lighting, lens flares, bones, animation and morphing await.

When all of the above are combined with approximately 170 supplied objects, the urge to set up camp permanently in the layout is almost too much to bear. However if and when you do manage to drag yourself away and into the Modeler, you'll find a myriad of features which put Lightwave on a par with anything when it comes to object design.

POSTSCRIPT

In fact this latest version of Lightwave has seen over 250 improvements – approximately 50 per cent of which appear in the Modeler. Notables include excellent PostScript text support, Boolean operations, lathes and extrudes, patches, twist, taper, shear, macros, ARexx, spline curves, drills and freehand sketching.

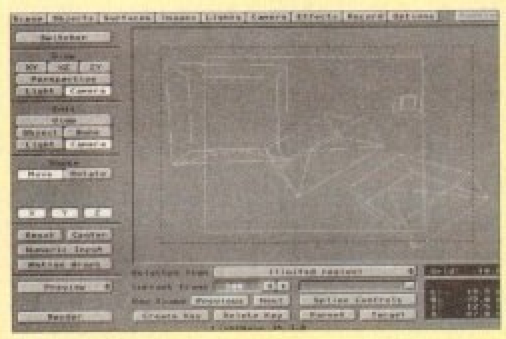
Due to available space this is only a taste of the high points which when added together with less glamorous features combine into arguably the most flexible and friendly design systems on the Amiga – possible exceptions being Imagine and Caligari. Even so, it must be said that Modeler does take some getting used too. This is primarily caused by the program's unique approach to object design. For example when building an object separate elements are created under user defined surface names – which are then imported as part of the overall object into layout where they can be selected individually for surface attributes and mapping.

Although objects can have unlimited surfaces these surfaces are not individuals within a heirarchy. In fact single objects, no matter how complex, only have a single user defined axis – no internal groups allowed... As a result Modeler's 16 foreground and background layers provide an invaluable tool when designing objects which in time will combine in layout to form hierarchical jointed obje[cts] combinations.

If the temptation of setting u[p] permanent residence in the Layout scre[en] was simply too much, the first questio[n] you'll ask is: "Why aren't all scene designing interfaces just like this one?"

PERSPECTIVES

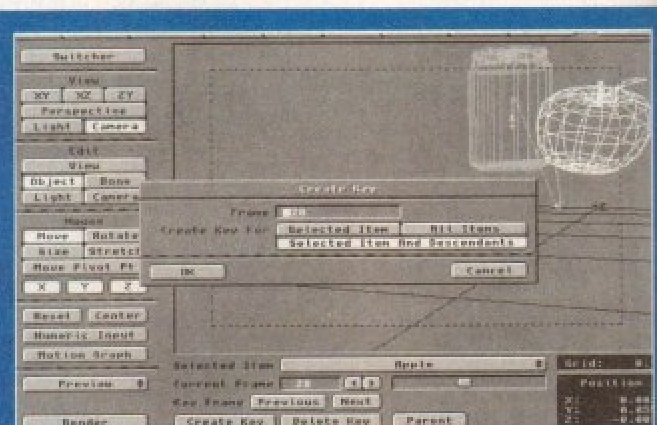
Layout literally is that good. You ca[n] edit from the Cartesian view, or in fac[t] any one of the three perspectives. In addition when in the Cartesian mode yo[u] can view the scene from either the camera



One of the few operating restrictions within Lightwave is the program's NTSC bias when it comes to available screen sizes. As a result for PAL productions it's necessary to use Lightwave's higher resolutions in combination with the program's limited region rendering.

In this example the full screen resolution is 1,280 x 800, as shown by the dotted grey bounding box, within which sits the 736 x 580 – PAL compatible – limited region.

Unfortunately Lightwave's screen dimensions work in percentages rather than pixels, so a little elementary maths is required to determine the exact scale of the necessary region – but once set either stills or entire anims will enjoy your designer dimensions.



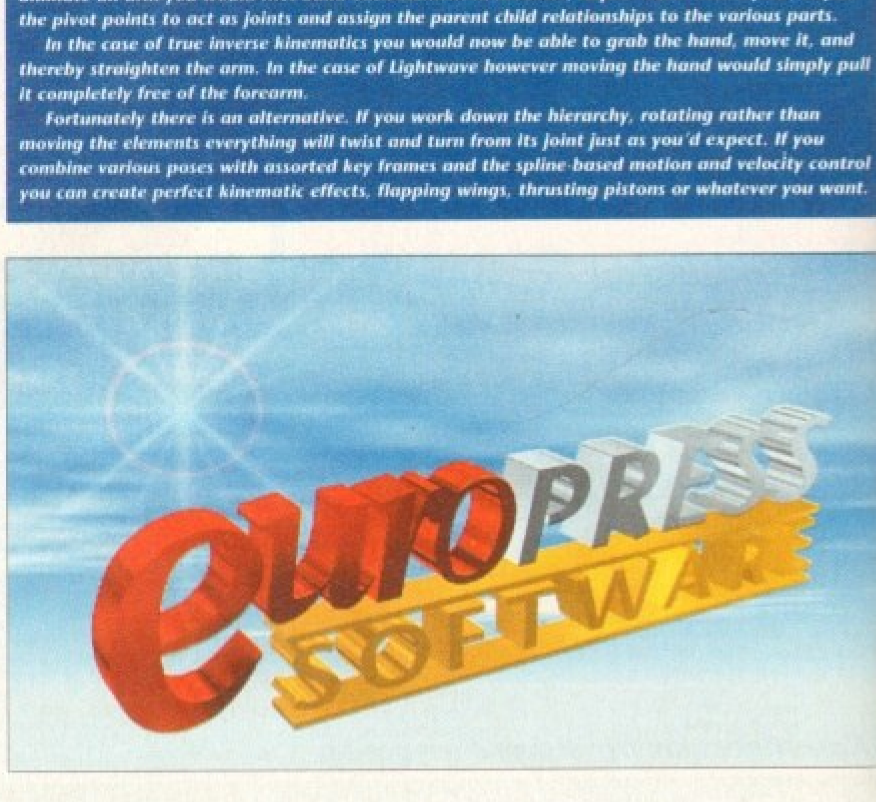
This example demonstrates Lightwave's hierarchical association between objects. In the scene the apple appears to waltz around the popcan as both items dance in a duet across the screen.

In reality the popcan is in fact simply the parent in the hierarchy. This parent-child relationship is a vital part of Lightwave's animation system. Like many ray tracers, children follow their parents while also having their own children and individual animation.

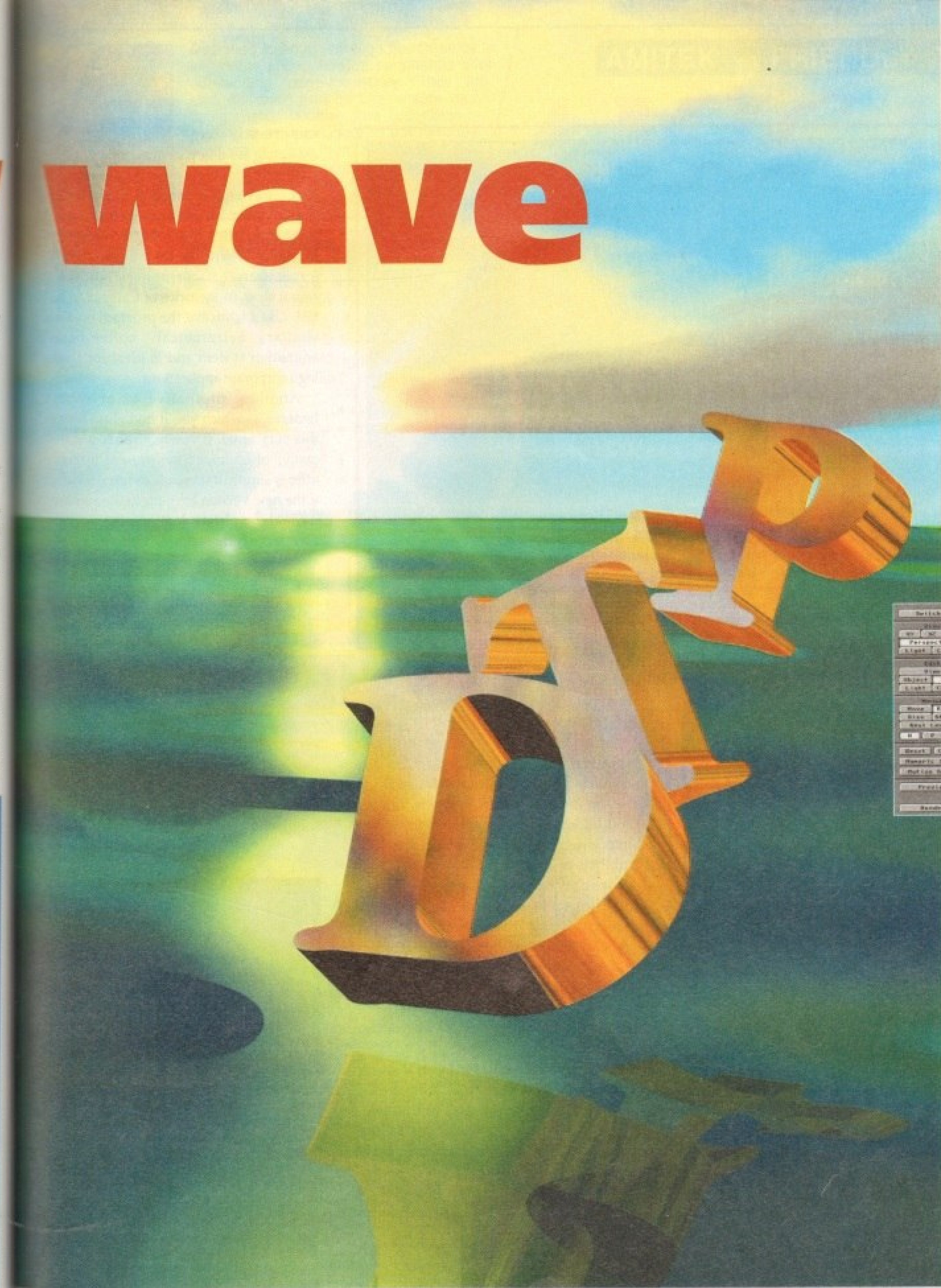
As a result Lightwave is capable of pseudo-kinematic animation. For example if you wanted to animate an arm you would first build each element in Modeler, import them into layout, adjust the pivot points to act as joints and assign the parent child relationships to the various parts.

In the case of true inverse kinematics you would now be able to grab the hand, move it, and thereby straighten the arm. In the case of Lightwave however moving the hand would simply pull it completely free of the forearm.

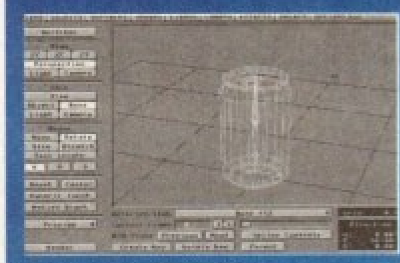
Fortunately there is an alternative. If you work down the hierarchy, rotating rather than moving the elements everything will twist and turn from its joint just as you'd expect. If you combine various poses with assorted key frames and the spline-based motion and velocity control you can create perfect kinematic effects, flapping wings, thrusting pistons or whatever you want.

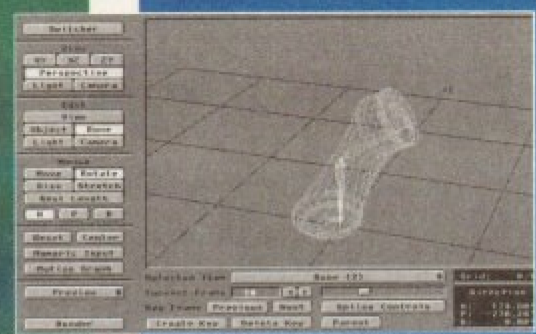


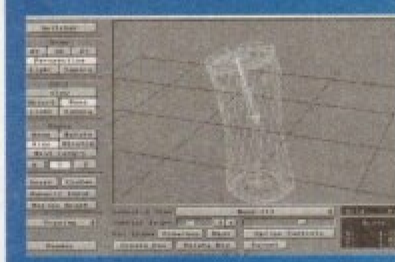
wave



Spectacular font import, amimated ripples, a built-in procedural cloud texture, lens flare and the best animation system in the business. what more could animators ask for?







Here we have one of the highlights of Lightwave's animating repertoire, namely bones. Although the phrase bones is perhaps as good a choice as any, it is a little misleading.

In some ways bones might have been better described as muscles. For example if we return to our arm example the object axis/joints would provide the illusion of bones whereas the bones themselves could emulate the muscles that surround them.

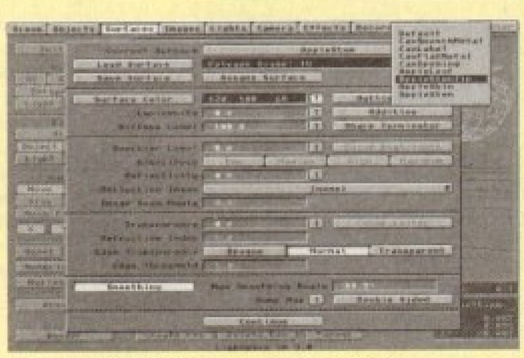
For example, assuming the arm bent at the elbow a bone in the centre of the upper arm could be scaled up to give the effect of an expanding muscle.

In short, bones are basically an advanced form of freeform deformation, but in the case of Lightwave the ability deform can be very precisely controlled within animations.

To actually add bones to an object you simply load it into the layout screen, add the required number of bones, define their rest position and scale and finally make them active.

Once active the bone emits a forcefield which when altered by rotating or sizing directly affects the object area around it. As a result character animation is quite literally transformed.

For those interested in more than endless space shoot-outs bones are manna from heaven. On a commercial level the potential for productions in the Jif Micro liquid vein are endless, while animals and other organic forms can finally cast off that robotic look and movement that often kills the illusion of life.



Like all the major ray tracers, Lightwave has its fair share of mapping alternatives which include procedural textures such as bump maps, ripples and fractal colours with approximately seven basic variations which can in turn be customised by the user.

In addition to the procedural offerings you can also use brushmaps either as single frames or as part of a sequence – colour cycling is optional. To apply the brush you're given a choice between five mapping formats: planar, cubic, cylindrical, spherical and projection.

Unfortunately basic mapping of images is Lightwave's only real disappointment. It's not that the various effects don't work, but it must be said control over images isn't as comprehensive as it is within programs like Imagine and Real3D.

It's true there are some nice effects – such as density fades and wallpapering – but due to the fact only one map is allowed per surface achieving photo-realism can be tricky.

On the other side of the coin, Lightwave's variety of applications for procedural or image maps leaves nothing to be desired. Literally every element of the surface attributes can use a map as a filter, luminosity, diffusion, specularity, reflectivity and transparency can be affected and of course that doesn't include bump mapping and the excellent displacement maps.

Displacement maps are unique to Lightwave and allow an image to be projected onto the surface of an object, at which point the image will deform to object to reflect the luminosity of the image – ideal for waving flags, facial imprints, landscape generation or whatever else this immensely powerful function inspires.

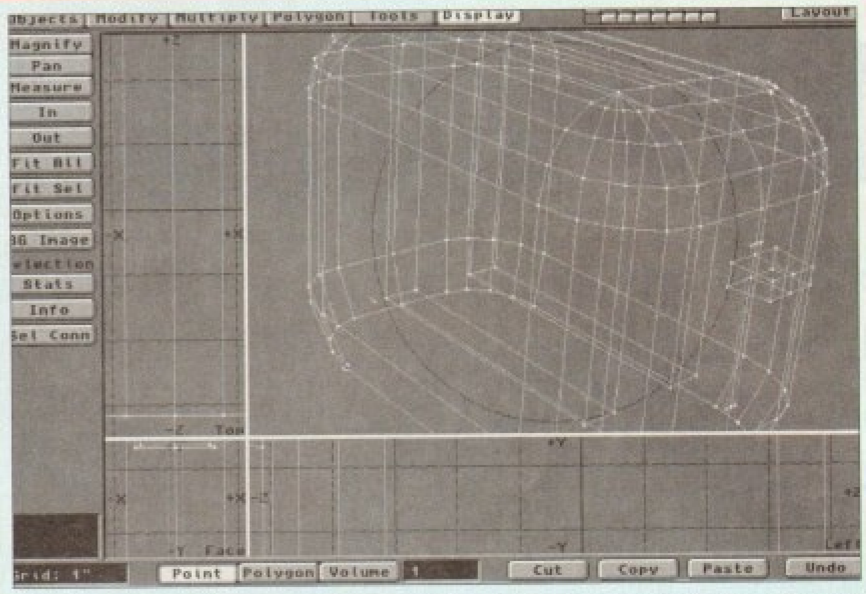
perspective or any one of the lights in the scene. Once in your chosen mode you can not only edit the objects but also the viewpoint.

Better still, animation can also share from the aforementioned flexible. For example, in addition to the camera position you can also render a box or wireframe anim from either a light or perspective – great for spotting accidental collisions.

Lights can be added with ease and their attributes defined in seconds, whether that be lens flare, colour, intensity, type and even the parameters for superfast shadow mapped light sources.

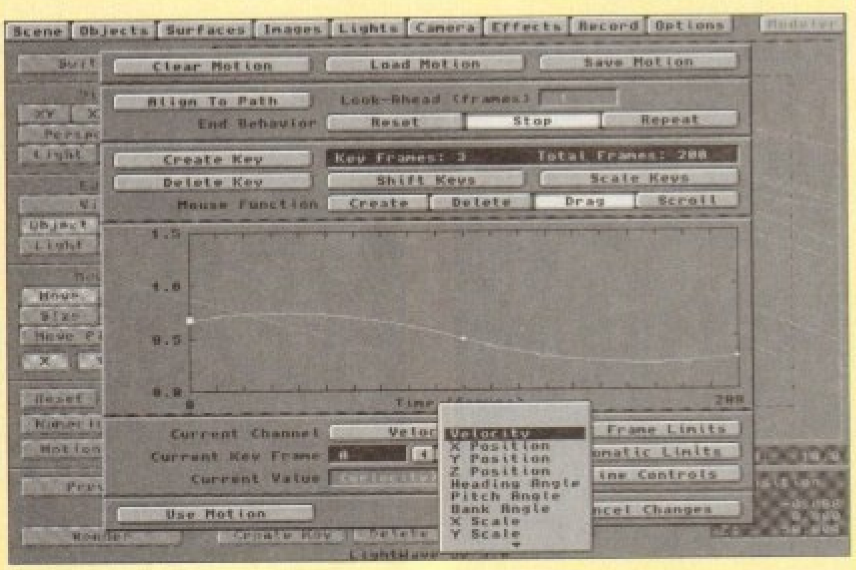
When it comes to rendering, there are a whole host of modes ranging from tiny lo-res previews right up to print resolution creations employing reflections, refractions and shadows all combined with incredibly impressive anti-aliasing and shot with the camera of your choice.

Unfortunately direct comment on the quality of Lightwave's tutorial is to say the least a little tricky – as the pre-production manual on hand displayed a notable lack of tutorial passages.



Like most modelling environments Modeler opts for a basic arthrographic or tri-view with an optional forth preview window, but as you can see from the example any one of the views can be expanded to full-screen when necessary.

In the top right of the screen you'll notice the invaluable layers which make complex modelling much easier. My only real complaint concerning Lightwave, and more accurately layout, is the inability to show objects as solids as opposed to the transparent wireframes.



Although frighteningly techie at first glance, motion control ranks alongside lens flare, depth of field, motion blur and Displacement maps as one of the high points of the system.

As you can see from the grab every aspect of motion can be controlled via silky smooth splines. Better still, everything within the scene has a motion curve – and that includes the focal length of the camera, enabling weird trombone effects and other focal tricks which can lend a real movie feel to animations.

This temporary lack of tutorial shouldn't in any way reflect on the manual – which easily ranks alongside the best in the business. The style is friendly and informative with pointers to related info where necessary. To be honest the quality of the manual is basically a reflection of the software itself. As mentioned last month, Lightwave is easily the most intuitive modelling and anim system on the market. As a consequence ploughing through the manual is kept to a minimum – with the occasional excursion required for help with the more complex modelling and animation procedures.

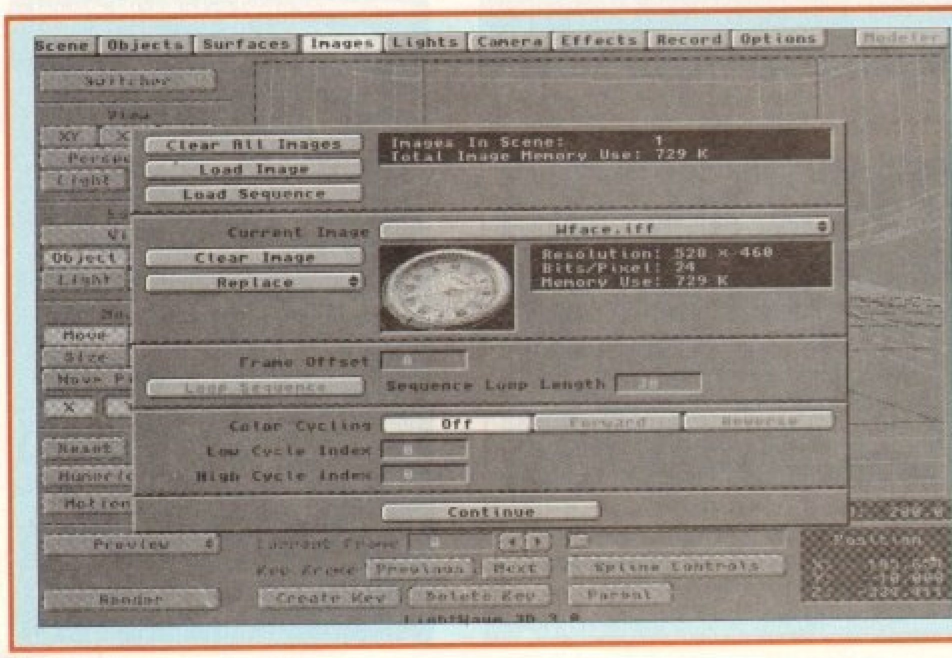
The big question has to be: Is it worth the money? As ever this is a horses for course decision. For the enthusiast, realistically the answer has to be no. Although Lightwave is a spectacular product it's simply too expensive for non-professionals – especially if they've already invested hard cash and more importantly huge amounts of time mastering another package.

In addition, Lightwave is only really at its best as an animation tool, so unless that's your primary interest other programs offer much better value for money. While on the subject of the opposition it's worth mentioning the recent slash in the price of Caligari to just £99. Like Lightwave the program boasts a similar heirarchical spline-based animation system and is ideal for flying logo corporate applications.

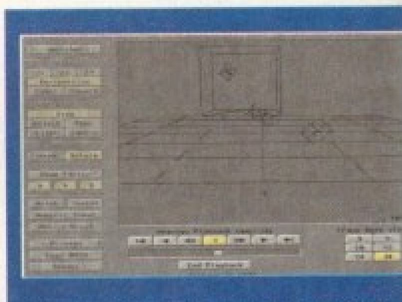
Another alternative is of course Imagine3 – which you'll find elsewhere in this very issue. If you're already a proud owner of Imagine2 the present upgrade offer is simply impossible to ignore. In fact if the new version lives up to the rumours it could completely dominate the market – I'll reserve comment until I've seen it.

But even with excellent offers from the opposition Lightwave is still incredibly tempting. The design of the interface is faultless and the available features put almost ever other package in the shade.

The only program that can offer superior features such as gravitational effects and collision detection is Real3D v2 – but as you're probably aware this is a very tricky package to master. In short if you're a pro or semi-pro animator who can envisage making back your investment, Lightwave and LightRave are simply too good to ignore.



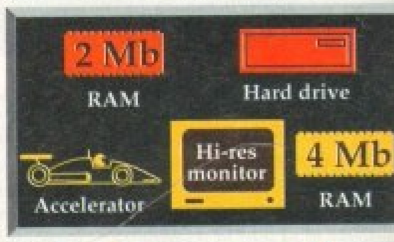
Here again Lightwave enhances its friendly approach with on-screen miniatures, simple colour cycling control and sequential image set-up. As surfaces are considered separate entities when mapping images themselves are also held in a list which in turn can be selected for mapping when designing surfaces. Although mapping individual surfaces individually is a perfectly acceptable approach, I must admit an option to map an entire object – including all its surfaces – would save some design time on occasion



Anim previews can be created at any time and from anywhere, and played back via the usual array of VCR controls. As you can see various frame rates are on hand and you also have a choice between boxes or full wireframes.

SYSTEM ESSENTIALS

RED = Essential YELLOW = Recommended



The bottom line

Product: Lightwave & LightRave
Supplier: Ramiga International
Tel: 0782 398840
Price: TBA

Ease of use: 10
Implementation: 9
Value for money: 5
Overall: 8

Designed to bring you high performance at affordable prices AmiTek peripherals offer outstanding value-for-money. They are also designed and built to ensure easy fitting, and trouble free operation - making them a pleasure to use. AmiTek products are also thoroughly tested and are very reliable. So reliable that they are pleased to offer a full two year warranty on the full AmiTek range.

AMITEK

AMITEK - 'FRIENDLY TECHNOLOGY'

AMIGA PERIPHERALS FOR A500, A600 & A1200

1Mb EXTERNAL FLOPPY DRIVE
FOR ALL AMIGA COMPUTERS

2 YEAR WARRANTY



- High quality 3½" Sony mechanism
- Formats to 880K
- Anti Click as standard
- Switchable hardware anti-virus technology
- On/off switch
- Through connector for extra drives
- Compatible with all Amigas
- Robust metal casing and small footprint design
- Power taken from Amiga - no external PSU

	ANTI-CLICK	ANTI-VIRUS	STRONG METAL CASE	QUALITY SONY MECHANISM	ISOLATION SWITCH	2 YEAR WARRANTY
AMITEK	✓	✓	✓	✓	✓	✓
ZAPPO	–	–	✓	–	✓	–
CUMANA	–	–	–	–	✓	–

AMITEK EXTERNAL DRIVE **£59** INC VAT - DRI 1159

1Mb INTERNAL FLOPPY DRIVE
FOR AMIGA 500/500PLUS



The AmiTek replacement drive is ideal for users who wish to replace their existing faulty internal drive. Everything needed to fit the drive is included along with fully comprehensive fitting instructions and 24 months replacement guarantee. The AmiTek kit features a high quality 3.5" mechanism drive offering uncompromising performance at a fantastic price.

2 YEAR WARRANTY

AMITEK INTERNAL DRIVE **£49** INC VAT - DRI 3600

PCMCIA CARDS
FOR AMIGA 600

2 YEAR WARRANTY



For sheer easy of use and flexibility you can't beat AMITEK's PCMCIA RAM upgrades. These compact credit card sized upgrades slot into the PCMCIA port on your A600 or A1200, increasing the RAM by 2Mb or 4Mb.

2Mb CARD	4Mb CARD
£119 INC VAT - RAM 6020	£179 INC VAT - RAM 6040

RAM UPGRADES
FOR AMIGA 500/600

The following RAM upgrades are all trapdoor cards and do not affect your Amiga's warranty.

2 YEAR WARRANTY

A500 - Low cost 512K upgrades, with or without a battery backed clock.
512K - NO CLOCK **£18** INC VAT - RAM 0505 | 512K - WITH CLOCK **£23** INC VAT - RAM 0510

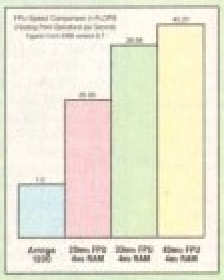
A500PLUS - The A500PLUS has a battery backed clock built-in so these 1Mb RAM upgrades do not need this feature.
1Mb UPGRADE **£30** INC VAT - RAM 0520

A600 - 1Mb RAM increase with battery backed clock.
1Mb - WITH CLOCK **£40** INC VAT - RAM 0610

HAWK RAM UPGRADE & MATHS ACCELERATOR
FOR THE AMIGA 1200

2 YEAR WARRANTY

Maximise the processing power of your standard A1200. Be ready for a new software which makes more demands on Amiga memory and technology. The AmiTek Hawk RAM expansion includes up to 8Mb fast 32 bit RAM, the ability to support a sophisticated 68882 FPU and a battery backed up clock. Built to a high standard, this board can be easily installed and comes with a 2 year warranty. The Hawk RAM board is available in 8 pre-configured factory installed versions enabling you to select the model which best suits your requirements.





- Plugs straight into A1200 trap door - No soldering required
- Upgradeable FAST RAM board to 1, 2, 4 or 8Mb
- Uses industry standard SIMMs
- Socketed SIMM for easy RAM upgrades
- Three types of optional floating point unit
- 20MHz, 33MHz or 40MHz PLCC 68882 co-processor
- Comprehensive easy to follow manual with illustrations
- Works with all A1200 and A1200HD computers
- Does not invalidate your A1200 warranty

PRICES FROM ONLY **£99** INC VAT - RAM 1210

HAWK RAM/ACCELERATOR OPTIONS

	NO FPU	20 MHz FPU	33 MHz FPU	40 MHz FPU
1 Mb RAM	£99 INC VAT - RAM 1210	£149 INC VAT - RAM 1212	–	–
2 Mb RAM	£129 INC VAT - RAM 1220	–	£199 INC VAT - RAM 1223	–
4 Mb RAM	£199 INC VAT - RAM 1240	–	–	£299 INC VAT - RAM 1244
8 Mb RAM	£399 INC VAT - RAM 1280	–	–	£499 INC VAT - RAM 1284

MODULATOR
FOR ALL AMIGA's

This modulator is recommended for users who wish to replace a faulty external modulator. Everything needed is supplied. Like all AmiTek peripherals it comes wih an easy to follow manual.

2 YEAR WARRANTY

- High quality design
- Full manual included
- FREE RF cable supplied

£29 INC VAT - MOA 4200

THE SILICA SERVICE

SILICA 1978 1993 15 YEARS SERVICE TO YOU

Before you decide when to buy your new Amiga products, we suggest you think very carefully about WHERE you buy them. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals or software, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. We can meet our customers" requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- *FREE OVERNIGHT DELIVERY:* On all hardware orders shipped in the UK mainland.
- *TECHNICAL SUPPORT HELPLINE:* A team of technical experts will be at your service.
- *PRICE MATCH:* We match competitors on a "Same product - Same price" basis.
- *ESTABLISHED 15 YEARS:* We have a proven track record in professional computer sales.
- *PART OF A £50M A YEAR COMPANY:* With over 200 staff - We are solid, reliable and profitable.
- *BUSINESS + EDUCATION + GOVERNMENT:* Volume discounts are available. Tel: 081-308 0888.
- *SHOWROOMS:* We have demonstration and training facilities at all our stores.
- *THE FULL STOCK RANGE:* All of your requirements are available from one supplier.
- *FREE CATALOGUES:* Will be mailed to you, with special offers and full details of hardware, peripherals and software.
- *PAYMENT:* We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).

SILICA

HOT LINE 081-309 1111

MAIL ORDER: Order Lines Open: Mon-Sat 9.00am-7.00pm (Sat 9.00am-5.30pm)	1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX. No Late Night Opening	Tel: 081-309 1111 Fax No: 081-308 0608
CROYDON SHOP: Opening Hours: Mon-Sat 9.00am-6.00pm	Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ. Late Night: Thursday - 9pm	Tel: 081-688 4455 Fax No: 081-686 4658
LONDON SHOP: Opening Hours: Mon-Sat 9.30am-6.00pm	52 Tottenham Court Road, London, W1P 0BA. No Late Night Opening	Tel: 071-580 4000 Fax No: 071-323 4737
LONDON SHOP: Opening Hours: Mon-Sat 9.30am-7.00pm	Selfridges (Basement Arena), Oxford Street, London, W1A 1AB. Late Night: Thursday - 8pm	Tel: 071-629 1234 Extension: 3914
SIDCUP SHOP: Opening Hours: Mon-Sat 9.00am-5.30pm	1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX. Late Night: Friday - 7pm	Tel: 081-302 8811 Fax No: 081-309 0017
ESSEX SHOP: Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm)	Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA. Late Night: Thursday - 7pm	Tel: 0702 468039 Fax No: 0702 468039
IPSWICH SHOP: Opening Hours: Mon-Fri 9.30am-5.30pm (Sat 9.00am-6.00pm)	Debenhams (2nd Floor), Waterloo House, Westgate St, Ipswich, IP1 3EH. Late Night: Thursday - 9pm	Tel: 0473 287092 Fax No: 0473 287092

Silica, AMCOM-0194-125, 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND A 64 PAGE AMIGA COLOUR CATALOGUE

Mr/Mrs/Miss/Ms: .... Initials: .... Surname: ....

Company Name (if applicable): ....

Address: ....

....

.... Postcode: ....

Tel (Home): .... Tel (Work): ....

Which computer(s), if any, do you own? 125A

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

P S D
THE PROFESSIONAL STANDARDS FOR DISTRIBUTION ENDORSED BY COMMODORE UK

I ♥ ULU!

DISKOVERY

TEL: 0274 880066

FREE £1.00 GIFT VOUCHER WITH EVERY ORDER

CHRISTMAS GIVEAWAY

1. BUY 10 PD DISKS & GET A FREE 10 CAP BOX WORTH £1.99
2. BUY 15 PD DISKS & GET A FREE MOUSE HOUSE WORTH £2.50
3. BUY 20 PD DISKS & GET A FREE MOUSE MAT WORTH £2.99
4. BUY 25 PD DISKS & GET A FREE DUST COVER WORTH £3.99*
5. BUY 35 PD DISKS & GET A FREE JOYSTICK WORTH £6.99
6. BUY 50 PD DISKS & GET 10 FREE PD DISKS WORTH £9.90

* DUST COVERS TO FIT A500/A600 & A1200 ONLY. ONLY 1 FREE GIFT PER ORDER

CENTRAL LICENCEWARE

EST 1991

DEMOS

D1...Mental Hangover
D2...Intercepter Demo
D4...Wild Copper
D5...17Bit Music Demos
D11...World Demos 21
D13...Total Remix Demo
D14/15...Predators(2)
D20/21...Red Sector(2)
D24/25...New Tek Reel3(2)
D26...Total Remix 2 Demo
D27...T.V. Theme
D30...Epic Demo
D34...P.D. Collection
D36...Virtual Worlds
D37...Vectra Sinking Demo
D38...TFF Demo Voyage
D40...Safy Demo
D59...Video Effects 3D
D64...Cult Vector Dance 2
D68...Phenomena Demo
D70...Amos 3D Demo
D74...A Trip To Mars
D76...A2000 GenlockDemo
D81/82...Budbrain 1 (2)
D83...Budbrain 2
D85...Crionics Neverwhere
D87...pirhana demo
D101...Alcatraz M/Demo 3
D102...A Chaplin Demo
D103...Total Destruction
D105...Mr B Demo Comp 4
D106...Walter S.T. Demos
D111...Defcon 1
D117...Aurora M/Demo
D118...Cult M/Demo 2
D125...Precise Demo
D133...Fasination
D136...Goldfire Megademo
D137/138...So What (2)
D139...Devils"No Reality"
D144...The Silents "Ice"
D145...Crystal Symphonies
D148...Ray Of Hope 2
D149...No Brain No Pain
D158/159...Cyborg Demo(2)
D195...Coaxial Comp
D197...MC Disk 1 Coma
D199...End Of Century 1999
D206...Dreamers 3
D208...Avengers M/Demo
D216/217...Bass o Matic (2)
D218...Disorder Demo
D219...Tuff Enuff
D225...Cool Fridge Demo
D226...Hardcrack M/Demo
D233...Hypnautic Hammer
D235...Six Of One Demo
D238...Planetside
D239...Lemmings Revenge
D240...Total Respray
D243...Budrain 3
D244...Phenomena Inerspace
D245...Total Retrial
D247...Pulling The Trigger
D253...CES Demos
D256...Total Recount
D257...Total Rebate
D262...Spasmolytic
D264...D-Mob M/Demo
D267...Sun Connection 2
D270...Kefrons The Wall
D271...Times Hydra
D272...Electric Demos 1
D274...Defpackers Demo
D276...Cave La Weird
D279...Iraqui Demo
D280/281...Delerious (2)
D307...L.S.D. Demo
D312...Devils Colours
D314...Trakmo
D315...The Groove Ramjam
D325/326...Real Empathy(2)
D328/329...Red Dwarf (2)
D330...Darkness M/Demo
D332...Melted Experience
D333-337...Odyssey (5)
D340...Watchman Demo
D341...Anarchy Smoker Co
D342...Ed 209 The Revenge
D343/344...Hardwired (2)
D346...Wildfire M/Demo
D347...Mindwarp M/Demo
D348/349...Skizzo Demo(2)
D350-352...Treacle Team(3)
D358...Mr Men Stories
D359...Seeing Is Believing
D360...State Of The Art
D361...Mayday Resistance
D362/363...Jesus On E's (2)
D364...Fish Tank
D365...Optimum Pressure
D366...Mind Riot
D367...In The Can Demo
D368...Dynamic Illusions
D369...Piece Of Mind
D370...3D Demo 2
D371...Lethal Exit
D376...World of Commodore
D377...Claustraphobia
D380...Hoover Demo
D381...The Trip
D382/3...Project Techno (2)
D384...Interspace
D386...Mindwarp (AGA)
D387...Panta Rhei (AGA)
D388...Hysteria
D393-5...Grapevine 15 (3)
D396-8...Grapevine 16 (3)
D399-401...Grapevine 17 (3)
D402...In The Kitchen

UTILITIES

U1...Games Music Creator
U21...The Comms Disk
U32...Modem Utils
U34...Red Devils Utils 1
U35...Soundtracker Special
U38...Paint,Music,Media
U39...Card Designer
U41...Red Devils Utils 4
U43...Future Composer
U44...Kefrons Makeboot
U45...P.E Giant Utils 168
U47...Label Designer
U49...Ultimate Icon Disk
U50...Power Comp Utils
U51...Jazz Bench
U55...Visicalc
U57...Quickbench
U59...Font Designer
U60...D-Paint Fonts 1
U61...D-Paint Fonts 2
U62...Med 3.20
U63...Direct Anim Creator
U64...Crossword Designer
U66...CLI Help + Others
U67...S/Tracker Mega
U68...Ultimate Boots 1
U69...Ultimate Boots 2
U73...Powerlogo
U74...M-Cad
U75...Journal Home Acc's
U76...Home Utilities
U77...Electrocad
U78...Ami Base
U81...Bootbench V2.0
U82...Slideshow Maker
U83...Catalog Workshop 1
U84...Catalog Workshop 2
U87...Hard Disk Utils
U89-94...Amateur Radio (6)
U95...C-Light + Others
U96...GFX Utils 1
U100...Ham Lab
U101...Sid V2.0
U108...A-Gene
U113...Midi Utilities
U118/119...Video Utils (2)
U132...GFX Utils 2
U133/134...North C (2)
U136...CrossDoss (demo)
U138...Squid Squad Utils
U139...Terminalities V1.0
U140...Squash 1 (2.04 only)
U141...Squash 2 (2.04 only)
U142...Text Plus 3
U144...Dennis Samples 1
U145...Digital Intro Design
U146...Viz Clip Art
U147...Spectrum Emulator
U151...Slipstream V/Killers
U152...Red Devils Utils 6
U154...Amigafox W/P
U155...P.D Utils Docs Disk
U163...Quickbench + (2.04)
U164...Rim Database
U166...Dennis's Hack Disk
U167...Demolisher Utils
U168...Home Business 3
U172...Squelch (1.3 only)
U176...GFX Utils 3
U177...Star Charts
U179-180...Dice (2)
U181...Celtic Demo Maker
U186-206...Track Ins 10-30
U207...Icon Collection 1
U208...Dave Jones Fonts 1
U211...Chemesthetics
U212...Animated Pointers
U213...Desk Top Publisher
U215...Messy Sid 2
U216...Master V/Killer 2.2
U218...Data Base Wizard
U223...Ten Pin Data Base
U224...Q-Base Data Base
U226...Games Solutions 1
U231...D-Paint Fonts 3
U235...Ami Cash V1
U238...Iconmania
U240...Icon Editor
U250...Opticomms 2.0
U254...New Superkillers 2
U255...Protracker v2.0
U256...Atari ST Emulator
U258...D-Copy 3
U262...PC Emulator
U273...Vidi Fonts 1
U274...Illinoi Labels
U275...600 Business letters
U279...Invoice Printer
U283...Headline Fonts
U289...Amos Updater
U290...Kickstart 2.0
U293...Black Tiger Utils 2
U294...Text Engine V4.0
U296...Ultimate Disk Crea
U297...10 PD Copiers
U298...Protracker V3.0
U299...Address Print V3.1
U303...Game Tamer
U308...Music Base V1
U309...PP Minicrunch
U311...Vmorph V2.30
U313...Pro Astrology
U314...Pools Wizard Jr
U319...Lister V2.1
U320...Garden Designer
U327...Bezier Surf
U329...Music Engine V3.4
U330...Starview
U331...X-Beat Pro
U332...Superview V2.4

GAMES

G1...Return To Earth
G2...Games comp 5
G3...Dizzy Lizzy
G4...Scum Haters
G5...Parachute Joust
G6...Frantic Freddie
G8...Twintris
G9...Psuedo Cop
G10...Drip
G11...Bug Bash
G12...Asteroids
G13...LLamatron
G14...Escape From Jovi
G15...Moria Adventure
G16...Ground Attack
G17...Megaball
G18...Insiders Club
G19...Various Adventures
G20...Battleforce
G22...Dragon Cave
G24...Rings Of Zon
G25...Mayhem
G26...Mechflight
G27...The Tennis Game
G28...Flaschbier
G29...Buck Rogers
G30...Greyslayer
G31...7-Tiles
G32...Mega Comp 1
G33-34...Star Trek 1 (2)
G35-37...Star Trek 2 (3)
G38-39...Mechforce (2)
G40...Klondyke
G42...Car
G43...Games Comp 2
G44...S.E.U.C.K. Games
G45...Sacc Games Comp
G46...Games Comp 3
G48...Rays Game Disk
G49...Games Comp 4
G50...Games Comp 6
G51-52...Trucking (2)
G53...Jetpac
G55...Quick And Silva
G56...Miniblast
G57...Lamer Game
G58...Games comp 7
G59...Games comp 8
G60...Pom Pom Gunner
G61...Caverunner
G62...Crystal Caverns
G63...Intact
G64...Eternal Rome
G65...Lemmingoids
G66...DownHill Challenge
G67...Lame ST Ports
G68...Paranoid
G69...Puggles
G70...Chainsaw Death
G71...Pirate Pete's Treasure
G72...Serene
G73...Castles
G74...Dynamite Dick
G75...Card Games 1
G76...Wizzy's Quest
G77...Growth
G78...Skate
G79...Afic Atac
G80...Napoleonic Sim
G81...Project 1
G82...Lazer Zone
G83...Lemmings Pack
G84...Star Trek S.E.U.P
G85...Lettrix
G87...Matched Pairs
G89...Snake Pit
G90...Zeus
G92...Blizzard
G93...The Maze Game
G94...Subculture
G95...Hollywood Trivia
G97...Shootout
G99...Holy Grail Adventure
G100...Amos Coindrop
G101...Classic Comp 1
G102...Card Games 2
G103...Super Skoda Chall
G104...Grand Prix Sim
G106...Computer Conflict 2
G107...Mission X Raid 2
G108...NU Game
G110...Tricky + The Turn
G111...Marble Slide
G112...Games Comp 10
G113...Black Jack Lab
G114...Dungeon Of Madroj
G115...Amiga Columns
G116...Robocop In Iraq
G117...Mutant Camels
G120-122...Warlock (3)
G124...Bart Simpson
G126...Air Ace 2
G127...Breakout Con Kit
G128...Pipeline
G129...Dung Of Doridian
G132...Peters Quest
G133...Star Trek 3
G134...Piperider
G139...Door To Door
G143...Solid Quad
G144...Omega Race
G145...Mission X Raid 3
G146...Trek 73
G147...Wack In Wonderland
G148...Squats Revenge
G149...Sky Fight
G150...Wet Beaver
G151...Airmania
G153...Wizard World
G154...Totally Frantic Quiz
G155...Chess V2.0
G156...Smash Telly
G159...Billy The Dragon
G160...I-Ching
G161...E-Type
G162...TomCat
G163...Sea Lance
G164...Dizzy Diamonds
G165...No Mans Land
G166...Word Square Solver
G167...Cross Fire
G168...Wastelands
G170...Space Blitz
G171...Crazy Sue
G172...Make A Break
G173...Squamble
G174...F-1 Challenge
G175...Othello
G178...Evil Dead Game
G179...Trainset
G180-181...P Comps 1+2
G182...Diplomacy
G183...Tractor Beam
G184...Motor Duel
G185...Game Boy Tetris 2
G186...Water Works
G187...Act Of War
G188...Mutants Games
G189-193...Timelords 1-5
G194...Nirvana
G195-196...Neighbours (2)
G197...Ameoba Invaders
G198...Game Boy Tetris 1
G199...Tetren
G200...Battlecars 2
G201...Dr Mario
G204...Ashido
G205...Cheats Disk 2
G206...Cheats Disk 3
G208...Airport
G209...F.R.A.C.
G210...The Golden Fleece
G211...Legend of Lothian
G212-214...Timelords 6-8
G215...Amos Games 1
G216...Super Sid
G217...Light Bikes
G218...Relayer
G219...Air Hockey
G220...Amos Child Quiz
G221...Texas Chainsaw
G222...Roulette
G223...Premier Pics
G224...Thrust Duel
G225...Wibble Giddy
G226...Super Pong
G227...Fruit Salad
G228...Brainbow
G229...Jeopard
G230...Space Invasion
G231...Karate Worm
G232...Super League Manager
G233...PD City Comp 1
G234...Colour Changes
G235...Battle Of Britain
G236...Super Twintri
G237...Castle
G238...Numtris (+ Only)
G239...Kung Fu Charlies
G242...Micro Market
G243...Bload Runner

S79...Freddies Dead
S80...Wendy James Slides
S81...The Invisible World
S82-83...Terminator 2 (2)
S84...Fantasy Pics
S85...Gulf War Slides
S86...Magical Pics
S88...Gulf War Tribute
S89-90...S/Thing Fishy (2)
S91...Eldorado Slides

SLIDES

S1...Ham Pics Show 1
S4...Madonna slides
S5...Moviestar slides
S6...Party Disaster
S8...Immaculate Collection
S9...Simpsons Slides
S10-11...Channel 42 (2)
S12...Bruce Lee Slides
S14...Adams Family
S15...Viz Mag Slides
S17...Docklands Jarre
S18...Dr Who Demo
S20...Nasa Slides
S22-24...WWF Slides (3)
S27...Demons Slides
S28...Total Recall
S29...Joe's Slides
S30...Ham Pics Show 2
S32...Neighbours Slides
S33...Roger Dean slides
S34...Iron Maiden Slides
S35-36...Tobias Richter (2)
S38...Basket case 2
S39...Eces Slides
S40...Fraxion Devine 2
S41...Fraxion Devine 1
S42...Golems Gate Slides
S43...Chainsaw Slippers
S44...Cry For Dawn
S45...Forgotten Realms (2)
S47...Kick Off 3 Slides
S48...PD Slideshow
S49-52...Terminator (4)
S53...Robocop 2 Slides
S54...Trackmaster Slides
S55...Forgotten Realms 2
S56...Garfield Slides
S57...Pawnbroker Slides
S58...Hellraiser Slides
S59...Night Breed Slides
S60...Raytracing
S61...Horror Slides
S70...Muscle Mania
S71...Creature Comforts
S72...The Wonder Years
S73...Watership Down
S75...Ferrari 348 Pics
S76...Belinda Carlisle
S77...Cher Slides

SHARL

ANIMS

A1...Probe Sequence
A2...Ghost Pool
A3...Jogger + Magician 1
A4...Gymnast Demo
A5...Fractal Flight
A6...Basketball Demo
A8...Walker Demo
A9...Magician 2
A10...Pugs In Space
A11...Luxor Teenager
A13...Juggler Demo
A16...Cool Cougar
A17...Mono Cycle Anim
A18...Robocop Anim
A20...Mayhem On Wheels
A21...Jugette 2
A22...Shuttlecock Anim
A23...T-Pot Anim
A27...Fleet Manouvre
A28...Billiard Anim
A29...E/Prise Leaves Dock
A30...Starwars 2 Anim
A31...Star Trek Anim
A32...Fraxion revenge
A34...Madonna Anim
A35...Stealthy Anims 2
A36...Raiders Of The L/Ark
A37...Bugs Bunny Show
A38...Iraq V's UK Anim
A39...Mike Tyson anim
A42...Walker 2
A43...Walker 3
A45-46...Light Cycle (2)
A47...Exploding Head
A48...Police Car Chase
A49...Top Gun Demo
A50...Animators Demo
A51...5 Ways To Kill a Mole
A52...Another 5 Ways
A53...Batman The movie
A54...3D Spaceship
A55...Mr Potato Head
A59...Low Level Flight
A63...Amy V's Walker
A64...Real Pinball Anim
A66...Porky Pig Anim
A67...Adventures Of Chuck
A70-71...Max Overdrive (2)
A73...Spaceshuttle Anim
A74...Ghostbusters + Horse
A76...Alarm Anim
A77...Flight Anim
A78...Piano Anim
A79...Dart Anim
A80...Bad Bird Anim
A81...Holiday Anim
A82...Fillet The Fish
A85...Miners Anim
A86...Pocket Watch Anim
A90-93...The Movies 2 (4)
A95...My TinToy
A96...T-Pot 2 Anim
A99...Terminator 3
A100...Dolphin Dreams
A101/102...Thunderbirds (2)
A103...History of Amy
A104...Pogo Anim (2 Meg)

EDUCATION

E1...Education Pack 1
E2...Education Pack 2
E3...Education Pack 3
E4...Education Pack 4
E5...Education Pack 5
E6...Education Pack 6
E7...Educational Worlds 1
E8...Educational Games
E9...Math Drill
E10...Amiga Function Com
E11...Devware Ed Comp
E12...Simon Says + S Maths
E13...Kids Paint
E14...Storyland 2
E15...Colour It
E16...Colour The Alphabet
E17...D.T.P. For Children
E18...Algebra
E19...Amosagram
E20...Animal Land!
E21...Animal Sounds
E22...Military War Sounds
E23...Vehicles Sounds
E24/25...Read & Learn 1 (2)
E26...Junior Maths

BOULDERDASH COLLECTION 1-8

CLR LICENCEWARE

EDUCATION

CLE01 DINOSAURS Learn all about certain types of Dinosaurs Le Jurassic, Triassic and Cretaceous. 2 disks £4.50.
CLE02 GEOLOGY Want to know all about the Volcanos and their substances then try this. 2 disks £4.50.
CLE03 SOLAR SYSTEM Know more about the Solar system with info on Planets etc with pictures. 3 disks £4.99.
CLE04 COLOURING PAD A unique colouring book to keep the kids amused for hours. 1 disk £3.50.
CLE05 A CHORD Learn to play the guitar by listening to nearly every single chord available. 1 disk £3.50.
CLE06 MATHS INSTRUCTOR Get through the GCSE's with this Maths instructor. Trig, Quadratic, Area etc. 1 disk £3.50.
CLE07 FRESHWATER FISHING Think you know all about fishing? Try this. 2 disks £4.50.
CLE08 NIGHT SKY Look at the stars, planets etc from anywhere and click on an object for info. 1 disk £3.50.
CLE09 WORDS + LADDERS A word spelling game for 1 or 2 players. 1 disk £3.50.
CLE10 BASICALLY AMIGA Get to know your Amiga to the full. 3 disks £4.99.
CLE11 LETS LEARN V1.1 Learn sums, times codes etc on this learning aid. Age range from 5-7. 1 disk £3.50.
CLE12 ALPHABET TEACH Try to spell what you see on the screen. 1 disk £3.50.
CLE13 HOME BREW With recipes to instructions on fermenting etc. Learn how to make home made wine. 1 disk £3.50.
CLE14 ECOLOGY Learn more about Ecology with this brill program. 3 disks £4.99.
CLE15 FAST FRET Learn scales on the guitar and become as good as the best (with sound). 1 disk £3.50.
CLE16 KINGS AND QUEENS Find out all the Monarchy's history with this program (with pictures). 2 disks £4.50.
CLE17 THINGAMAJIG Brill puzzle type education program. 1 disk £3.50.
CLE18 WORK AND PLAY 3 educational programs to help children learn easily. 1 disk £3.50.
CLE19 PLAY IT SAFE This will teach children what safety is inside and outside. 1 disk £3.50.
CLE20 BIG TOP FUN Another 4 programs to help the children. 1 disk £3.50.
CLE21 JIGMANIA 2 jigsaw type educational programs on this disk. 1 disk £3.50.
CLE22 CHESS TEACHER Learn how to play chess the easy way with this teaching aid. 1 disk £3.50.
CLE23 MIND YOUR LANGUAGE Like a dictionary this explains word meanings but simplified. 1 disk £3.50.
CLE24 SPEED READING Learn the art of fast reading if you have problems. 3 disks £4.99.
CLE25 CHORD COACH V2.1 Learn how to play different chords on the piano. 1 disk £3.50.
CLE26 SNAP Match silhouettes with the colour pictures on screen. Age 3+. 1 disk £3.50.
CLE27 C.A.T.E. A complete Tarot card translator for the physchics among us. 3 disks £4.99.
CLE28 FUN WITH CUBBY 4 programmes to help the children learn with fun. 1 disk £3.50.
CLE29 PREHISTORIC FUN Learn about the dinosaurs with 4 great games. 1 disk £3.50.
CLE30 PEG A PICTURE Draw pictures with either pegs or shapes, excellent for children. 1 disk £3.50.
CLE31 UNDERSTANDING AMOS 2 Having problems learning Amos, not anymore with this program. 2 disks £4.50.
CLE33 MESSERSCHMITT BF109 Learn about different parts of this plane with graphics. 2 disks £4.50.
CLE34 YOUR FIRST PONY What to look for and how to look after your first pony (book). 2 disks £4.50.
CLE35 TC SOLAR SYSTEM 2 Sequel to set 1, superb 3 disks £4.99.
CLE36 THE TIME MACHINE Teaches kids to tell time. 2 disks £4.50.
CLE37 DISCOVERY AMERICA Learn all about colonisation of U.S.A. 1 disk £3.50.
CLE38 HOME INVENTIONS First in the quest for knowledge series, this picture book deals with inventions since 1750. 2 disks £4.50.
CLE39 MY LITTLE ARTIST Superb colouring book for children with features for disabled needs as well. Needs 1 meg chip ram. 2 disks £4.50.

UTILITIES

CLU01 VIDEO TITLER Make your videos look professional, scrollers etc. 1 disk £3.50.
CLU02 FISH INDEXER A full database of the Fred Fish library. 1 disk £3.50.
CLU03 TYPING TUTOR Typing can be no longer a problem with this. 1 disk £3.50.
CLU04 A-GRAPH Create pie charts and bar graphs with ease. 1 disk £3.50.
CLU05 SAS MENU MAKER Make menus to suit you. 1 disk £3.50.
CLU07 PHILO An easy to use but powerful database system. 1 disk £3.50.
CLU08 WORD FINDER Solve the crosswords easily. 2 disks £4.50.
CLU09 PLAY AND RAVE 2 A music module linker to create music. 2 disks £4.50.
CLU10 POWER ACCOUNTS Keep accounts of your expenditure with password function. 1 disk £3.50.
CLU11 CALC V1.3 An excellent spreadsheet for those crew calculations. 1 disk £3.50.
CLU12 VIRTUAL WINDOWS 1 A collection of utilities like address book, notepad, software cats etc. 1 disk £3.50.
CLU13 DATON Easy to use yet very powerful database. 1 disk £3.50.
CLU14 STOCK CONTROLLER Keep up to date with your stock control. 1 disk £3.50.
CLU15 EPOCH Very powerful calendar utility. 1 disk £3.50.
CLU16 CROSS STITCH Useful needlework utility. 1 disk £3.50.
CLU17 LC10 FONTS Different fonts for your LC10 Printer. 1 disk £3.50.
CLU18 LC200 FONTS Different fonts for your LC200 Printer. 1 disk £3.50.
CLU19 LC24FONTS Different fonts for your LC24 Printer. 1 disk £3.50.
CLU20 CANON BJ10 FONTS Different fonts for your BJ10 Bubblejet printer. 1 disk £3.50.
CLU21 INVOICE MASTER Sort your invoices out easily with this one. 1 disk £3.50.
CLU22 H.D.M. v1.1 A hard drive multitasking menu system. 1 disk £3.50.
CLU23 F-15 ANIMBRUSHES Anim brushes for use with paint packages. 1 disk £3.50.
CLU24 RED LOTUS ANIMBRUSHES More anim brushes for paint packages. 1 disk £3.50.
CLU25 STAR FIGHTER ANIMBRUSHES Even more anim brushes for paint packages. 2 disks £4.50.
CLU26 STAR VOYAGER ANIMBRUSHES Yet more animbrushes for paint packages. 3 disks £4.99.
CLU27 IMAGEBASE A very powerful image database to store pictures text and sound. 1 disk £3.50.

GAMES

CLG01 NORRIS A very addictive game set in the medieval era. 1 disk £3.50.
CLG02 DARK THINGS A brilliant platform scrolly game. 1 disk £3.50.
CLG03 PHASE 2 An excellent drawstyle scroll shoot em up game. 1 disk £3.50.
CLG04 X-SYSTEM A very addictive game with the usual end of level monster. 1 disk £3.50.
CLG05 TRUCKING ON Try and manage your own truck fleet, excellent. 2 disks £4.50.
CLG06 OBLITERATION Another fast shoot em up type game. 1 disk £3.50 (Not plus compat).
CLG08 DRAGON TILES Old Japanese type mahjong style game. 1 disk £3.50.
CLG09 MOTOR DUEL Drive a 3D car shooting and racing with opponents. 1 disk £3.50.
CLG10 FUTURE SHOCK A case of getting the hat through the maze. 1 disk £3.50.
CLG11 ALL GUNS BLAZING Car game for 2 players with the overhead view theme. 1 disk £3.50.
CLG12 BULLDOZER BOB Wipe out the screens of coloured blocks. 1 disk £3.50.
CLG13 PARADOX A puzzle game to use those powers of solving. 1 disk £3.50.
CLG14 SONIC SMARTIEHEAD Another platform style game. 1 disk £3.50.
CLG15 SPLODGE THE REVENGE Another platform game with puzzles to solve. 1 disk £3.50.
CLG17 IMBRIUM DAY OF RECKONING One of those graphic adventure type games, excellent. 1 disk £3.50.
CLG18 SKAN 29 Brill platformer with 220 levels and end of level monsters. 1 disk £3.50.
CLG19 STELLAR ESCAPE Vertical scrolling shoot em up game. 3 disks £4.99.
CLG20 JUNGLE BUNGLE A mouse icon driven adventure that will have you playing for hours. 1 disk £3.50.
CLG21 FLOWER POWER Try and grow flowers before the bugs eat them. 1 disk £3.50.
CLG22 STOCKING FILLERS 3 games all with Christmas themes. 1 disk £3.50.
CLG23 MARVIN THE MARTIAN A massive maze type game where you collect things to stay alive. 1 disk £3.50.
CLG24 EASY MONEY Excellent fruit machine (not plus compat). 1 disk £3.50.
CLG25 WHITE RABBITS Another puzzle type game. 1 disk £3.50.
CLG26 MONSTER ISLAND A strategy type adventure along the lines of Dungeons and Dragons. 1 disk £3.50.
CLG28 THE RIFT Excellent platform adventure along the lines of Turrican. 1 disk £3.50.
CLG29 BILLY BALL Guide Billy through 5 worlds of mazes. Excellent game. 1 disk £3.50.
CLG30 CAPTAIN K Collect flowers and kill baddies to move to next level. Good fun! 1 disk £3.50.
CLG31 DIRTY RACKETS 3 Tennis platform game! 1 disk £3.50.

ASSASSINS 1 TO 115 NOW IN

HAPPY NEW YEAR

RAVE & TECHNO PACK
ORDER NO: PO1
DANCE IN STYLE WITH ALL THE LATEST RAVE & TECHNO SOUNDS ON THE AMIGA
10 DISKS FOR ONLY £10.50 + P&P

RAVE & TECHNO PACK
ORDER NO: PO11
YET MORE OF YOUR FAVOURITE DANCE TRACKS TO KEEP YOU RAVING
10 DISKS FOR ONLY £10.50 + P&P

EDUCATION PACK
ORDER NO: PO2
LEARN LANGUAGES, PLAY GAMES WATCH DEMOS, PAINT PICTURES ETC. AGE RANGE 5-ADULT
15 DISKS FOR ONLY £15.50 + P&P

CLIP ART PACK
ORDER NO: PO3
WITH 100s OF PICTURES TO CHOOSE FROM THIS IS A MUST FOR ALL YOU D-PAINT AND DTP ENTHUSIASTS
15 DISKS FOR ONLY £15.50 + P&P

BUSINESS PACK 1
ORDER NO: PO4
WHETHER IT'S JUST TYPING A LETTER OR KEEPING A RECORD OF YOUR FINANCES, THIS IS A DEFINITE MUST
10 DISKS FOR ONLY £10.50 + P&P

BUSINESS PACK 2
ORDER NO: PO10
EVEN MORE UTILITIES TO KEEP YOUR RECORDS RUNNING SMOOTH
10 DISKS FOR ONLY £10.50 + P&P

STAR TREK PACK
ORDER NO: PO8
THIS IS FOR ALL YOU STAR TREK FANS. CONTAINS STAR TREK GAMES 1 & 2 - OTHER ANIMATIONS ETC
10 DISKS FOR ONLY £10.50 + P&P

CARD GAMES PACK
ORDER NO: PO9
CAN'T FIND THOSE CARDS, FEAR NOT. ALL YOUR FAVOURITE CARD GAMES ARE AT HAND IN THIS PACK
10 DISKS FOR ONLY £10.50 + P&P

SPECTRUM EMULATOR
ORDER NO: PO7
THE NEW 1.7 EMULATOR WITH FOUR GAMES DISKS. 68 GAMES IN ALL. A MUST FOR ANY COLLECTION
5 DISKS FOR ONLY £6.25 + P&P

ASSASSINS PACKS £1.60 EACH

10 DISKS	£10.50+p&p
30 DISKS	£28.50+p&p
40 DISKS	£34.50+p&p
54 DISKS	£43.50+p&p
70 DISKS	£58.00+p&p
ALL 116	£95.00+p&p

ACCESSORIES

MOUSE HOUSE	£2.50
MOUSE MAT	£2.80
AMIGA MOUSE	£14.99
10 CAP BOX	£1.99
A500 COVER	£3.99
A600 COVER	£3.99
A1200 COVER	£3.99
3.5" DSDD DISKS	£0.69
MONITOR STAND	£10.99

HOW TO ORDER

All you need to do is put the numbers of the disks required and send it to the address below along with a cheque or PO made payable to DISKOVERY

Please don't forget to include the correct postage to ensure speedy delivery

PRICES

PUBLIC DOMAIN

POSTAGE

WOT NO S

A1200 DEGRADER NOW IN ONLY £1.50 each MOST DISKS WILL WORK NOW

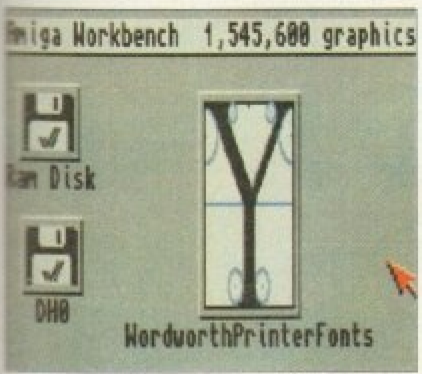
SEND YOUR ORDER TO...

WE ACCEPT ALL MAJOR CREDIT CARDS

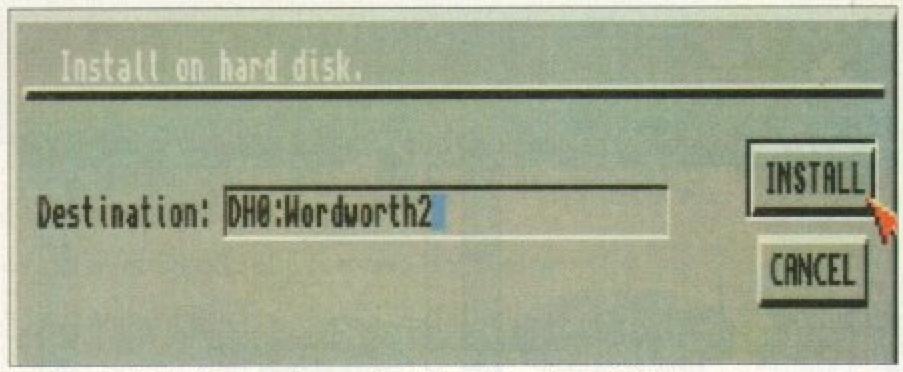
DISKOVERY, DEPT (AC), 108 THE AVENUE, CLAYTON, BRADFORD, W YORKS BD14 6SJ

It's a hard life

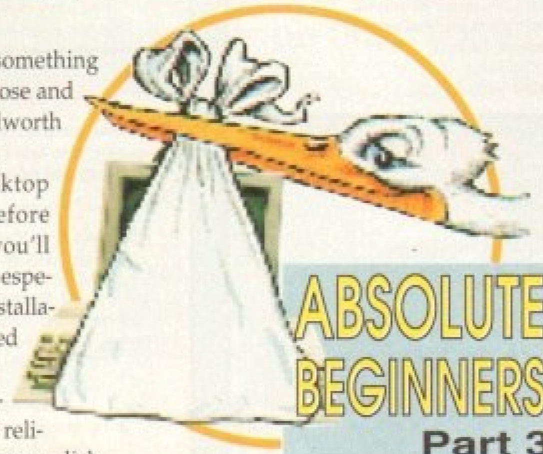
Adam Phillips puts the hard drive under the microscope for this month's dissection of your favourite personal computer



Double click on the PrinterFonts icon to open the window



Check the destination box to make sure that Wordworth is going to DH0



Things are beginning to click now – the haze of confusion that had gathered so swiftly on first booting up the Amiga has now begun to dissipate ever so slightly.

Admittedly, you find yourself talking about window manipulation at dinner parties and receive strange looks and questioning glances before you can stop yourself from being, well, boring.

The manual is still like a wall though – jargon flies from page to page, leaving you miles behind wondering what the hell the hard drive is and why you don't have to put any disks into it.

Your newly subscribed *Amiga Computing* lies unopened on the coffee table, a bundle of notes to the side of it. Next to them, a large box sits with the words Wordworth emblazoned upon it.

You need to load the word processor to type up that huge pile of written essays so picking up and flicking open that magazine, you read on...

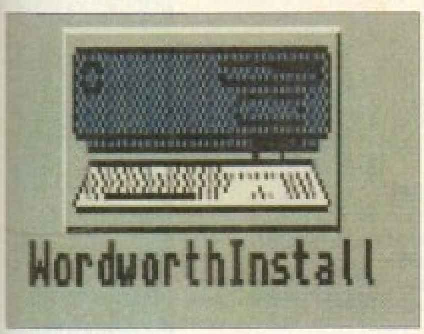
Window manipulation should cause you no problem now – if so, just dip into the manual at the relevant pages and the other remaining functions will become much clearer.

At the moment, we've been through the very basics of Workbench use but what about actually creating something useful that has a practical purpose and end result? Open up the Wordworth package and take a look inside.

If you didn't buy the Desktop Dynamite package and therefore don't have Wordworth then you'll still find that many programs – especially utilities – use a similar installation routine to the one described below.

The hard drive, as mentioned last month, is far more reliable and much faster than a floppy disk. Depending on the size you buy, a reasonable amount of software can be stored onto it.

Installing simply means taking information off the floppy disks and putting a copy of it into the hard drive. It always advisable to do this whenever you can so that the original disks don't have as much chance of becoming damaged through mishandling or dust finding its way into the disk and so on.



Double click on Wordworth Install icon

POWER PERILS

Flick on the computer from the switch on the power pack. This must be done each time because if the lead is simply slapped into the back of the machine, there is a small chance of a power surge which could basically render the Amiga useless unless given extensive repairs.

The same rule applies to turning off the machine – if the power is yanked out of the back and the hard drive ticking over, there's a good chance that the information could become corrupted, lost and irretrievable. This may all sound a little ominous but it is always best to be safe so that you don't find after spending four hours typing in a journal, it becomes useless because of a split second of carelessness. Take out the Wordworth disks and find the one that's labelled Wordworth Printer Fonts. Insert it into the disk drive after WorkBench has booted in. A large icon will appear in the top right-hand corner.

Double click on this with the left-hand mouse button and a window will open. Inside, there are a series of other icons. Don't worry about the other, simply move the pointer over to the one labelled Wordworth Install and double click.

You will be presented with four options. The first is to install onto hard disk. The second to install on floppy disk for extra back up protection, the third to select which printer you want to print out on and finally, to quit out of the program to the previous window.

Click on hard drive install and the computer will tell you where it is going to place Wordworth. Its preset destination should be DH0 – if not, simply click at the beginning of the name in the destination bar, delete the old entry and type in DH0:.

Once done, click on install and the program will ask you for the main Wordworth disk. Take out the PrinterFonts disk and slip the requested one in. You'll find that the computer will ask for each disk in the pack, so simply follow the on-screen instructions. Installation does take time so be patient.

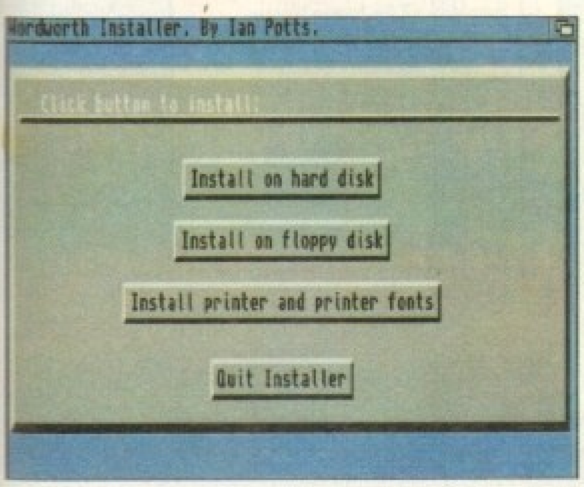
If you're worried that it may not be working, simply look to see if the hard and floppy drive lights are flashing on and off in the top right-hand corner of the keyboard – this means they are activated.

READY TO GO

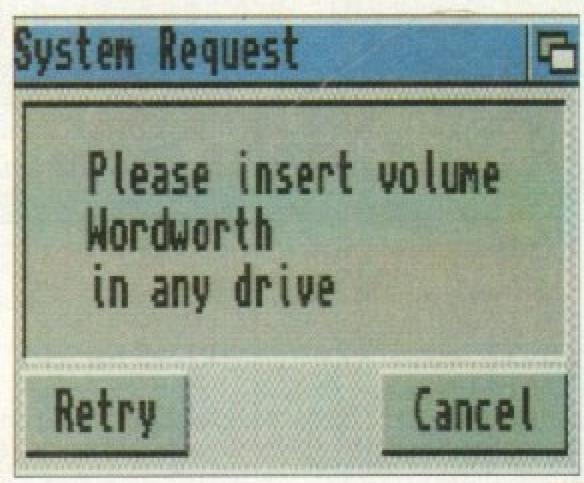
Once the installation is complete, a message will appear telling you it's finished. Click on OK and the original list will appear again. Press on the Quit Installer option, take out the Thesaurus disk left in the floppy drive and reset the Amiga.

This is achieved by briefly pressing the two Amiga buttons on either side of the spacebar and the Control key, all at the same time.

Once reset, click on the DH0 icon on the Workbench and a window will open. Press on the W2 drawer and the next Wordworth drawer and – finally – you will be presented with a large picture icon with a W in it. Double click on this and the program will be booted up.



Choose Install on hard drive from the menu



Insert the disk labelled Wordworth

BATTLEAXE Public Domain & ShareWare

(0603) 666202, 662066

Suppliers of Public Domain & ShareWare throughout the world for years.
Over 30,000 customers worldwide. Over 3000 disks, also complete Fred Fish library + TBAG and more

Games

- ❑ Act of War
- ❑ AGA Chess... 4Mb, A1200
- ❑ Air Traffic Control
- ❑ Airport
- ❑ Antep
- ❑ Arcade Classics 1
- ❑ Arcade Classics 2
- ❑ Atic Atac
- ❑ Backgammon
- ❑ Battle of Britain & War
- ❑ Battlecars II
- ❑ Battlements
- ❑ Beast
- ❑ Bi Planes
- ❑ Blackjack Lab
- ❑ Boulderdash
- ❑ Cluedo
- ❑ Coindrop
- ❑ Crazy Sue II
- ❑ Crossword Creator
- ❑ Cybernetix
- ❑ D-Tris
- ❑ Deluxe Pacman
- ❑ Desert Storm
- ❑ Donkey Kong
- ❑ Downhill Challenge
- ❑ E-Type II
- ❑ Escape v3
- ❑ Extreme Violence
- ❑ Fighting Warriors... S/Fight
- ❑ Fireball 2000
- ❑ Flag Catcher
- ❑ Full House
- ❑ Grand Prix Manager
- ❑ Head Quarters
- ❑ Hellzone
- ❑ Hollywood Trivia
- ❑ International Cricket
- ❑ Intruder Alert
- ❑ Leedings
- ❑ Mad Bomber
- ❑ Mashie Niblick Golf
- ❑ Maths Adventure
- ❑ Megaball
- ❑ Mental Image Games 1
- ❑ Mental Image Games 2
- ❑ Missile Command
- ❑ Moria v5.4
- ❑ Nostromo Game Cheats
- ❑ Numerix
- ❑ Numpty & Alien Invaders
- ❑ Peter's Quest
- ❑ Pipe
- ❑ Puggles
- ❑ Quadrix
- ❑ Questiontort
- ❑ Raid 2
- ❑ Rollerpede
- ❑ Sanity
- ❑ Scrabble
- ❑ Serene III
- ❑ Smurf Hunt
- ❑ Soccer Cards
- ❑ Star Trek, 2 Disks
- ❑ Super Space Invaders
- ❑ Survivor
- ❑ Tanx
- ❑ Tetren
- ❑ The Simpsons
- ❑ Think Twice
- ❑ Total War
- ❑ Turbo Thrust
- ❑ Wacko Jr Wonderland
- ❑ Wizzy's Quest
- ❑ XFI & Hball
- ❑ Zeus

Educational

- ❑ Agraph
- ❑ Algebra
- ❑ Amiga Tutorial
- ❑ Amiga World
- ❑ Amigazer
- ❑ Colour the Alphabet
- ❑ Division
- ❑ Dunks DTP
- ❑ Family History Database
- ❑ Fireworks Alphabet
- ❑ GCSE Maths
- ❑ Henriettas Book of Spells
- ❑ Hooray for Henrietta
- ❑ Kids Paint
- ❑ Learn and Play
- ❑ Maths Adventure
- ❑ Maths Drill
- ❑ Maths Reflex Test
- ❑ Maths Wizard
- ❑ Pair It
- ❑ Simon & Spacemaths
- ❑ Storyland 2
- ❑ Total Concepts Astronomy
- ❑ Total Concepts Dinosaurs
- ❑ Treasure Search
- ❑ Typing Tutor
- ❑ World War II Facts

A1200/4000

- ❑ Action Replay IV
- ❑ Degraders
- ❑ PC Task v2
- ❑ Hois AGA Megademo
- ❑ Hois AGA II Megademo
- ❑ Uchess 4Mb
- ❑ WB3 Backdrops
- ❑ Dos Drivers
- ❑ Viewtek Latest Update
- ❑ WB3 Rainbow
- ❑ Spectrum Emulator 1.6
- ❑ Panta Rhei Megademo
- ❑ The Disk Util
- ❑ AGA Pics 1, 24-bit graphics
- ❑ AGA Pics 2, 24-bit graphics
- ❑ AGA Pics 3, 24-bit graphics
- ❑ AGA Pics 4, 24-bit graphics
- ❑ AGA Pics 5, 24-bit graphics
- ❑ AGA Pics 6, 24-bit graphics
- ❑ AGA Pics 7, 24-bit graphics
- ❑ AGA Pics 8, 24-bit graphics
- ❑ AGA Pics 9, 24-bit graphics
- ❑ AGA Pics 10, 24-bit graphics
- ❑ Winblend
- ❑ HD Prep
- ❑ Jpeg Utils
- ❑ MSM 1.8
- ❑ Battleaxe A1200 Utils

AMFM Magazine

Amiga Musicians Freeware Magazine
The worlds number 1 music magazine.

Comes on disk, full of the latest gossip, utils, music both MIDI and Amiga only. If you are interested in music then you simply can not miss this.

❑ **Issue 15 - £2.50**

All back issues available, please ask.

Catalogues

❑ **Battleaxe Catalogue - £0.50**
❑ **Fred Fish Catalogue - £0.50**

We stock Fish 0-900+

Anims

- ❑ Adventures of Chuck
- ❑ Amy vs Walker
- ❑ At the Movies
- ❑ Batman
- ❑ Billiard Anim
- ❑ Enterprise Leaves Dock
- ❑ Exploding Head
- ❑ Fillet the Fish
- ❑ Fleet Manoeuvre
- ❑ Fractal Flight
- ❑ Ghost Pool
- ❑ Iraq vs UK
- ❑ Light Cycle
- ❑ Mr Potato Head
- ❑ Probe Sequence
- ❑ Pugs in Space
- ❑ Stealthy Anims 2
- ❑ T-Pot Anim
- ❑ Walker 2
- ❑ Walker 3
- ❑ Walker Demo

We carry the whole range of Eric Schwartz Anims, please ring.

AMFM Samples

These sample disks are of excellent quality, they are £2.50 each and are produced by artists themselves.

❑ **Sample Disk 1**
45 drums & percussion sounds from a Roland PCM Sound Card.

❑ **Sample Disk 2**
58 orchestral winds including flutes, brass, saxes, trumpets, brass chords and ethnic winds.

❑ **Sample Disk 3**
30 atmospheric non-instrumental death & horror sounds.

❑ **Sample Disk 4**
32 selected lead & bass sounds from the Korg 707 Synthesiser.

❑ **Sample Disk 5**
16 rich, full and dynamic grand piano sounds including chords. The best piano heard on an Amiga!

❑ **Sample Disk 6**
48 characteristic samples taken from a Korg Wavestation. Mostly Lead bass etc.

❑ **Sample Disk 7**
53 characteristic sounds taken yet again from the wavestation. Lead/bass effects.

❑ **Sample Disk 8**
46 chords sampled from the Korg Wavestation, pads, choirs, synths, major, minor, sus2 etc.

❑ **Sample Disk 9**
Korg M1 drums, 84 drums percussion sounds from the Korg M1 Synthesiser. All standard drum sounds, with hits, lasers, etc.

❑ **Sample Disk 10**
A collection of ambient and hard hitting sounds created on the Korg Wavestation. Rave away.

❑ **Sample Disk 11**
More ambient, hard hitting rave techno sounds, Great stuff.

Sample Disk 12, 13, 14, & 15 Available also!!!

AM/FM magazines are also available from BPD. And special disks, look at AM/FM box.

Modules

We have 30 disks full of great music modules to be played in MED or other music packages. Over 100 in fact, ranging from rave to slow melodies. All 30 disks £25 or £1.50 each.

Order

Mod #
(# being 1-30)

Business

- ❑ 600 Business Letters
- ❑ Agraph
- ❑ Amibase Pro
- ❑ Amicash
- ❑ Analyticalc, 2 Disks
- ❑ ASI label Printers
- ❑ Bankin
- ❑ Bbase III
- ❑ Budget
- ❑ Business Card Maker
- ❑ Calculator
- ❑ Clerk
- ❑ DTP
- ❑ Flexybase Database
- ❑ Forms Really
- ❑ Illinois Label Printer
- ❑ Invoice Printer
- ❑ Journal
- ❑ last Will & Testements
- ❑ Little Office
- ❑ Nag Diary
- ❑ Organiser
- ❑ Pay Advice
- ❑ QED
- ❑ Spreadsheets
- ❑ Tex Engine 4
- ❑ Text Plus 4
- ❑ Wordwright

Misc/Utils

- ❑ A500 Plus Emulator
- ❑ Abackup
- ❑ Account Master
- ❑ Amiga Guide v3.43
- ❑ Amos Compiler Update 1.36
- ❑ Amos Updator 1.36
- ❑ Assassins Megaboot
- ❑ Astro 22 Space
- ❑ Banner
- ❑ Benchmarks the Best
- ❑ Cdisk, Hdrive compress
- ❑ Dcopy 3
- ❑ Disk Salv 2
- ❑ Dynamite Fonts 1
- ❑ Dynamite Fonts 2
- ❑ Essential Utils III
- ❑ Fast Cache HD & FD Cache
- ❑ Fractions
- ❑ Game Tamer 4.01
- ❑ Gold Ed
- ❑ Hybrid Instruments
- ❑ Icon Update
- ❑ Imagine Objects
- ❑ Le Nag
- ❑ Lhawn
- ❑ Lockpick 2
- ❑ Med v3.2
- ❑ Mega Utils
- ❑ Megamonitor
- ❑ Mr Backup
- ❑ Ncomm v3
- ❑ North C
- ❑ Octamed
- ❑ Perm Check Plus
- ❑ Picbase, Picture Storer
- ❑ Picture Coverters +
- ❑ Plasma Clouds
- ❑ PPshow 3.04
- ❑ Propage Utils & Temps
- ❑ Protracker v3.01
- ❑ Reorg Latest Ed
- ❑ Slideshow Generator
- ❑ Sozoban C
- ❑ Superdark v2.01 Screen Blanker
- ❑ Supersound II
- ❑ Term v3.4
- ❑ Terminus
- ❑ Text Scroller (Great)
- ❑ Tools Manager
- ❑ True Ed 5.5
- ❑ Twin Express Amiga>PC, 2 Disks
- ❑ V Morph
- ❑ VCR Filer
- ❑ Virus Checker v1.31

LOOK AT OUR GREAT PACKS ON THE NEXT PAGE

All disks are Virus Free, Error Free, No quibble replacements

Ordering Info

Ordering couldn't be simpler, just tick each disk (using the box supplied) and tear this page out, place in an envelope with payment, stick on a stamp and post to the address >>>>>>>>>>>

Disk Prices

Disks £1.50
£1.25 for 10+

All disks are £1.50 from BPD, if you order over 10 disks then disks are £1.25

Postage

Please add the following postage on top of your order

£1.00 UK & CI
£1.50 Europe
£3.00 ROW

JUST TICK, FILL IN PERSONAL DETAILS AND POST TO ADDRESS BELOW

Or simply phone your order through. ACCESS, VISA taken. (0603) 666202, 662066

Personal Details

Access VISA

Unit D5, HI-TECH HOUSE, BLACKFRIARS STREET, NORWICH, NORFOLK NR3 1SF

Or simply phone your order through, ACCESS, VISA taken. (0603) 666202, (0603) 662066

CD³²UG

Enjoy Arcade Quality Games

Amiga CD32 User's Group UK

UNIT D5, HI-TECH HOUSE, BLACKFRIARS STREET, NORWICH NR3 1SF

And soon you will be able to watch CD films



The NEW Amiga CD32 is here! The ultimate in home entertainment. CD32 comes with a 68EC020 processor from Motorola. It contains 32 bit architecture (which has thrown the A1200 to success). The CD32 also contains Commodore's custom AGA (Advanced Graphics Architecture) chipset named – Paula, Lisa and Alice, which goes to show it has some potential when it comes to graphics, not forgetting it's stunning sound capabilities. It comes with 2 megabytes of RAM and a double speed, multi-session CD Rom drive. All this put together and have the best game & home entertainment system available. Play great arcade quality games, listen to your favourite music CD's and soon your favourite CD films...

Amiga CD32 (rrp £299.99)
(Including Diggers & Oscar Games)
1 Years **FREE** Membership to CDUG (rrp £9.99)
all this for just **£289**
Includes 12 months on-site warranty

Tel: (0603) 666202
(0603) 662066

We Accept Payment by Access/Visa

CDUG's Member's Benefits

- All members receive Mystery Gift
- Members get great discount on all software and hardware
- Members swap shop scheme
- Information on all latest games and hardware
- Monthly newsletter with reviews, charts, gossip and great competitions
- Great bargains you just can not miss
- Win latest hardware and software titles

ALL THIS FOR £9.99

VIDEO CD's, KARAOKE CD+G, CALL US NOW

Plays your Favourite CD Albums

Join NOW, Prices are for members only. To join call our number now on 0603 662066 or 0603 666202

Degeneration	£23.88	Whales Voyage	£23.88	Microcosm	Call
Sensible Soccer	£18.85	Overkill/Lunatic	£23.88	TFX	Call
Deepcore	£19.45	Zool	£23.88	and many more	Call
Pinball Fantasies	£24.88	Trolls	£23.88	Keyboard CD32	Call
James Pond 2	£23.88	Morph	£23.88	CD32 – Amiga interface	Call
Now that's what I call Games	£15.40	Ryders Cup Golf	£23.88	CD32 to Scart	Call
Now that's what I call Games 2	£15.40	Lotus Turbo Trilogy	£26.55	Earphones	Call
Sleepwalker	£23.88	Dangerous Streets	£23.88	Storage!	Call

Forthcoming Titles from C.D.U.G.



Great Money Saving Packages

All 16 packs work on all Amiga's

Fantastic Clip-Art

Both of our Clip-Art packs are of very high quality. Both on screen and printed output. Can be used by all Desktop Publishers & Art Packages and come with an installation program which is fool proof. Allowing you to install them to both floppy and hard drives.

☐ Pack 1 **£9.99**

A vast amount of Clips covering Buildings, Foods, Advertising Aids, Aircraft, Humour, Cooper Graphics, Animals, Birds, Love, Holiday, Girls/Woman, Assorted/Misc, Automobiles and Business

☐ Pack 2 **£9.99**

A vast amount of Great Clips covering Education, Fantasy, Plant/Flowers, Old Antique, Medical, Science, Space, Camping, Father Xmas, Sport, Trains, War, Recycling, Sailing and Boating

Scalable Fonts

We have 400 scalable fonts, split into 4 packs for £9.99 each. That's 100 scalable fonts for £9.99. they can be used with all DTP's that support Adobe Type 1 Fonts. Please ring if interested in Compugraphic.

☐ Pack 1 **£9.99**
☐ Pack 2 **£9.99**
☐ Pack 3 **£9.99**
☐ Pack 4 **£9.99**

We do not have enough room here to show you all these great looking fonts, which is a pity, but if you have a fax machine we will be delighted to fax you a complete sample now! Or send you details. Just phone and ask for details.

Games Games

The best games collection, includes Arcade, Board Games, Mind Bogglers, Beat Um Up's, Shoot Em Up's, Boulderdash type, Car, Plane, Cards, Education and More. This pack is updated as new software arrives, therefore we can not supply listings of contents here! Phone.

☐ **£7.00**

Desktop Video

For all you Steven Spielberg's to come, this pack is for video enthusiasts if you have not already noticed. Video titlers, special graphic effects, tests and more. Comes with added bonus of backgrounds & video fonts and a special database for storing your video collection on.

Cut! ☐ **£7.00**

'C' Programmers

This pack is unbelievable value. It is a complete manual on using the language 'C', far more in-depth than any book. It come with over 70 on-disk examples ready for you to run (no typing them in first). Covers Screens, Windows, IDCMP, Gadgets, Graphics and much more, 12 chapters in all. You also get a complete 'C' compiler chucked in ready for you to compile your programs.

Great Value! ☐ **£9.99**

Tick boxes, rip page out or photocopy

Education

Want to educate yourself, or others. Children or adults, both catered for. Includes – Spanish, German, French, Japanese, Maths, Science, Astronomy and much more.

☐ **£7.00**

Office/Home Business

You run a small business? Or simply want to keep up to date with your finance? Write letters? Accounts? Well here is your answer. Complete business package all in one. Contains the best word processor, spell checker, database, spreadsheet, account package, graphs and more

all for ☐ **£7.00**

Emulators Pack

Emulate other computers such as Commodore 64, Spectrum 48k, IBM PC and more by using your Amiga. Play Atic Atac on the Spectrum. Word processors on the IBM etc. Full instructions.

☐ **£6.00**

Fill in Personal Details & send to BATTLEAXE

Compatibility

Lots of useful utilities to downgrade your machines to Workbench 1.3. Cache off, reduce disk drives. Fixes messy demos to work on A500 Plus and 1200/4000 etc. If this won't, nothing will.

☐ **£5.00**

A1200/4000 AGA

A package for the lucky owners of an AGA machine such as Amiga 4000 or Amiga 1200. Includes great demos, 24 bit pictures. Some specific 1200/4000 utilities and loads more.

☐ **£7.00**

Introduction

A package based at people who are new to PD. Gives you a taste of the following: copiers, demos, music, games, utilities and toys, graphics utilities & more.

☐ **£5.00**

Technostyle

If you are into Rave/Techno style tracks then you will N-Joy this package. It contains a music program (MED) and comes complete with great Rave/Techno tracks for you to listen to, but not only can you listen to them, you also get lots and lots of Instruments, Beats, Vocals, Bass and more. BE YOUR OWN MC. Create your own tracks. Record them onto your tapes.

Make some noise! ☐ **£7.00**

Access VISA

Personal Details

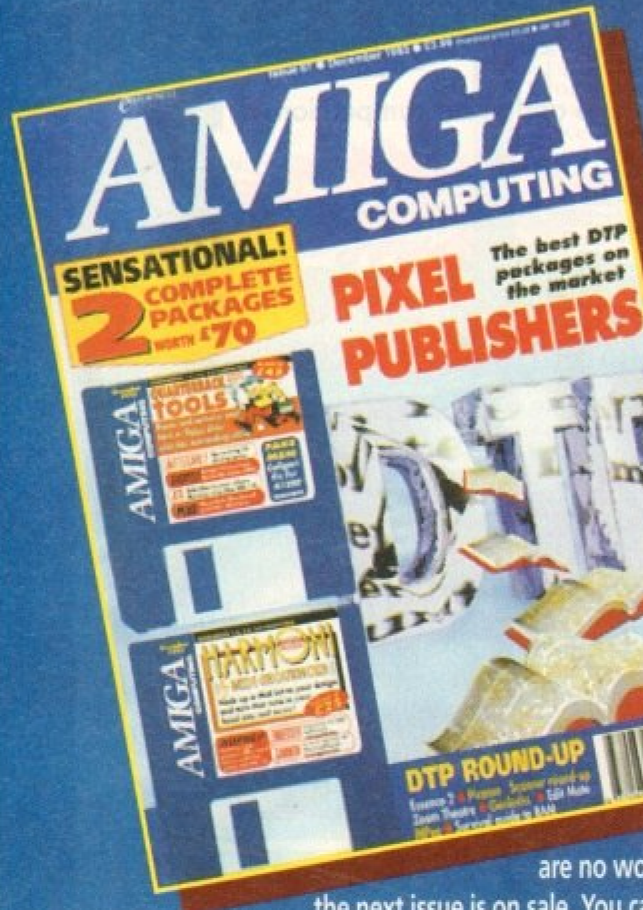
Name ____________________
Address ____________________
____
Postcode ____________________

If ordering by credit card then simply telephone (0603) 666202 or (0603) 662066 and our staff will take your details

BATTLEAXE *Unit D5, HI-TECH HOUSE, BLACKFRIARS STREET, NORWICH, NORFOLK NR3 1SF*

Tel: (0603) 666202, (0603) 662066
Evenings & Weekends: (0603) 261060

Subscribe to the top value



Subscribing to **Amiga Computing** means you reap all the benefits of the exclusive treatment you'll receive as a subscriber, and you get to choose one of these great **free gifts** as well

Direct Debit Subscriptions ONLY £8.49

So, you're wondering, what exactly is this exclusive treatment? It's a whole range of things that ensure you get your copy of Amiga Computing without any fuss or effort.

As a subscriber there are no worries about remembering when the next issue is on sale. You can watch your favourite soap or have a lie in, because you won't be scrambling down to the newsagents. You'll be content in the knowledge that you are part of the select, because your copy of Amiga Computing is reserved for you personally.

Before the masses have even thought about their monthly expedition to the shops you'll have had your copy for a few days, delivered direct to your door, postage free.

Not only do you already know the latest news and gossip, but you've also had first pick of the bargains on offer. Subscribing by direct debit means you save money and get an extra issue each year.

SUBSCRIPTION ORDER FORM

Choose either a 12 issue or a quarterly subscription, which will start form the earliest possible issue

● **I would like the following 12 issue subscription:**

New	Renewal		
☐ 9642	☐ 9643	UK Subscription	£39.95
☐ 9644	☐ 9645	EEC Subscription	£54.95
☐ 9646	☐ 9647	Rest Of World Subscription	£74.95
☐	☐	Canada/USA *	$98

** Canada & USA subscribers send to: Europress (North America), Unit 14, Bysham Drive, Woodstock, Ontario, NT4 1P1, Canada. Tel: 519-539-0200, Fax:519-539-9725*

● I wish to pay by:

Cheque/Eurocheque/Postal Order payable to Europress Enterprise Ltd

☐ Credit Card Expiry Date ____ / ____

Card No. ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

● Deliver my magazine to:

Name (Mr/Mrs/Miss/Ms) ____________________

Address ____________________

____

Postcode ____________ Daytime phone no. ____________

● I would like a UK quarterly direct debit ongoing subscription

9648 ☐ £8.49 per quarter (Complete the form below)

Quarterly Direct Debit Instruction

AUTHORITY TO YOUR BANK/BUILDING SOCIETY TO PAY DIRECT DEBITS

Name of bank/building society ....

Address ....

Name of account ....

Your account no. ☐☐☐☐☐☐☐☐

Sort code ☐☐ ☐☐ ☐☐

Signature(s) ....

Date ....

FOR OFFICE USE ONLY
Originator's Identification No.
Ref No. 8 5 1 4 1 2

Your instructions to the bank/building society:

- I instruct you to pay Direct Debits from my account at the request of Europress Ltd.
- The amounts are variable and may be debited on various dates.
- No acknowledgement required.
- I understand that Europress may change the amounts and dates only after giving me prior notice.
- I will inform the bank/building society in writing if I wish to cancel this instruction.
- I understand that if any Direct Debit is paid which breaks the terms of the instruction, the bank/ building society will make a refund.

Bank/building society may decline to accept instructions to pay Direct Debit from some types of accounts.

● Tick which free gift/special offer you want:

9586 ☐ Mastering Amiga Beginners (Add £3.95 to the cost of your subscription. If paying by direct debit please pay this by cheque or credit card

9549 ☐ Premier Manager

9576 ☐ Two free issues and a magazine binder

9584 ☐ Alpha Data Mega Mouse and Logic 3 mouse mat

● Send this form to:

Europress Direct, FREEPOST, Ellesmere Port L65 3EA. *(No stamp needed if posted in UK.)*

e guide to your Amiga!

Take out a subscription and you can pick a winner!

Choose one of these free gifts or special offers

• Two extra issues plus an elegant Amiga Computing magazine binder

Save £13.93

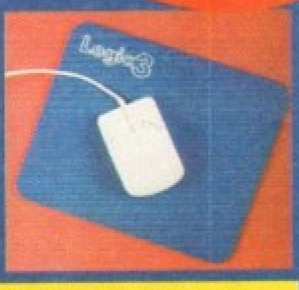


Subscribe to ***Amiga Computing*** and we'll send you a high quality, exclusive Amiga Computing magazine binder. These specially produced binders will keep your magazines in mint condition, providing an excellent reference point, as well as keeping them stored away neatly. As well as this useful binder you also get two extra magazines. Your 12 issue order is extended up to 14 issues, at no extra cost, so you get 14 fact-packed issues for the price of only 12.

• Alpha Data Mega Mouse and Logic 3 Mouse Mat

Save £18.99

The well known Alpha Data Mega Mouse has ultra high 260dpi resolution with opto-mechanical encoder. The reliable micro-switch buttons provide effortless finger-tip operation. You can have all this and a high quality Logic 3 mouse mat absolutely free when you subscribe.

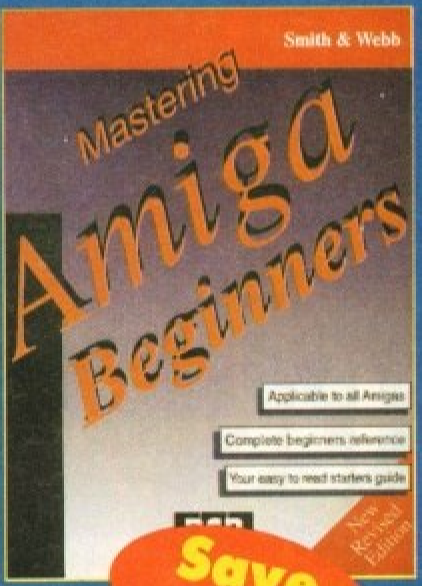


SUBSCRIPTION HOTLINE
Tel: 051-357 1275
Fax: 051-357 2813

Mastering Amiga Beginners special offer

For only £3.95 this book will provide you with a solid grounding, through easy to understand step-by-step explanations. The computer terminology is explained at every stage and there are full descriptions of the software, hardware and new technologies, such as video and CD, which are available for use with your Amiga.

This superb book includes coverage of the A1200 and A600, Workbench familiarity, preferences, utilities, beginners AmigaDOS, programming, fonts, printers, graphics, music and sound, public domain, viruses, upgrading, comms, desktop video, multimedia and much, much more.



Save £16

Premier Manager 2

This is the latest football management sim from Gremlin. Following on from its predecessor, Premier Manager 2 takes the whole football management scenario one stage further, and although more complex than the first version, loses none of the addictive appeal which made it the success it was.



Save £25.99

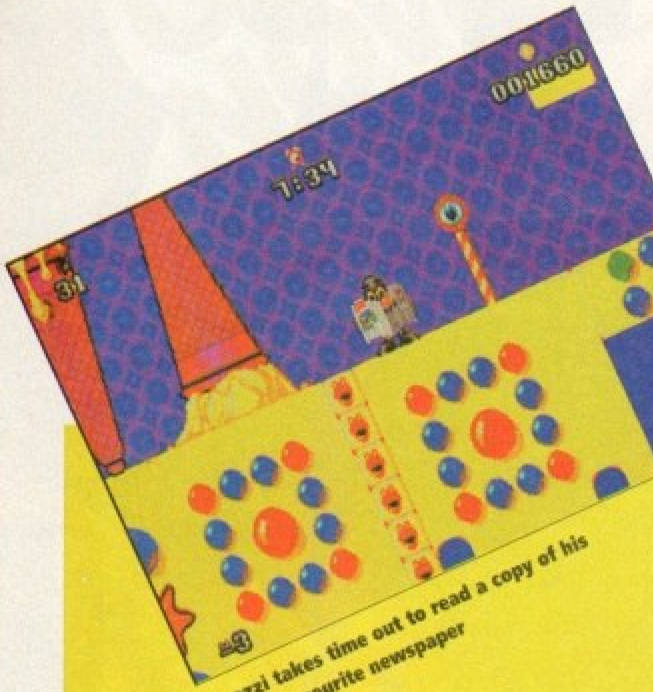


MICROVALUE/FLAIR · MEADOWFIELD · PONTELAND · NEWCASTLE NE20 9SD · ENGLAND. TEL: 44-661-860260. FAX: 44-661-860270. SURF NINJAS © NEW LINE CINEMA CORP.


2 hot 2 handle, it's...
GAMER
ALIEN BREED II
Beasties in space!
FRONTIER
ELITE II
Ships in space!
BODY BLOWS GALACTIC
Kicks in space!
Plus REVIEWS... F117A STEALTH FIGHTER • CYBERPUNKS
JET STRIKE • KINGMAKER • MAGIC BOY AND MORE...
ALSO... LATEST BUDGETS ROUNDED UP • CHEAT MODES ON THE PATRICIAN AND ISHAR 2 • FEATURE: INTERVIEWS AND PREVIEWS WITH MILLENNIUM • ALL THE LATEST DELICIOUS AND DOWNRIGHT TASTY NEWS FROM THE AMIGA GAMES WORLD

Gamer GLOBE

From Dennis the Menace to the seedy world of the newspaper photographer, it's all happening in the Amiga games world



Snazzi takes time out to read a copy of his favourite newspaper



One of the Bikini-clad beauties who star in Snapperazzi

Video Game ate my Hamster

The Sun, undoubtedly a top quality newspaper, is about to publish its own computer game on the Amiga. Snapperazzi features a hero known as, ahem, Snazzi, and he must collect pictures and earn cash by snapping minor and major celebrities.

The major celebs are different for each level, starting with bikini-clad Page 3 girls on level one. The girls blow kisses to protect themselves and Snazzi must dodge these to stay in good health.

Apart from Planet of the Page 3 girls, there are another six levels to conquer which include worlds like Planet Royale and Planet Rock.

Snapperazzi has been sponsored by Domino's Pizza and Leaf, who are the makers of Fizzy Chewits. Both products feature in the game. There will be plenty of bonus and sub-games and the whole platform romp will be accompanied by specially written rave soundtracks.

Just as *The Sun* cut its paper price from 25p to 20p, Snapperazzi will undercut other full price games by a fiver. Although published by *The Sun*, Snapperazzi will be distributed by Alternative Software. It will be available in the shops for just £19.95 and should be ready in time for Christmas.

Menacing the masses

Did you know that over 318,000 copies of the *Beano* and *Dandy* are bought every week? Both comics have been around for over 55 years. Did you also know that Dennis the Menace has his own show on the Children's Channel and that a Beano video has just been released by Polygram?

Ninety-four per cent of 11 to 14-year-old Beano readers regularly buy computer games, so you'd think that someone would be smart enough to release a game featuring the talents of Dennis and his chums.

Well, as it happens Dennis the Menace and his trusty dog Gnasher are about to start in their very first home computer game courtesy of Alternative Software, the company responsible for Dalek Attack and Thomas the Tank Engine. The antics of Dennis and Gnasher are being brought to the computer screen in a series of 3D isometric adventures where the gameplay takes place in Beanotown, just as in the comic.

Fans of Dennis and Gnasher, and there are over one million members in his fan club, will relish the thought of being able to become involved in menacing the inhabitants of Beanotown with stink bombs, water pistols and pea shooters.

Dennis and Gnasher has over 3Mb of bright and colourful graphics along with 1Mb of music and sound effects. The packaging has been designed and created by the same artists who produce the weekly comic.

Alternative has scheduled Dennis and Gnasher for a Christmas release and will cost you £24.99.

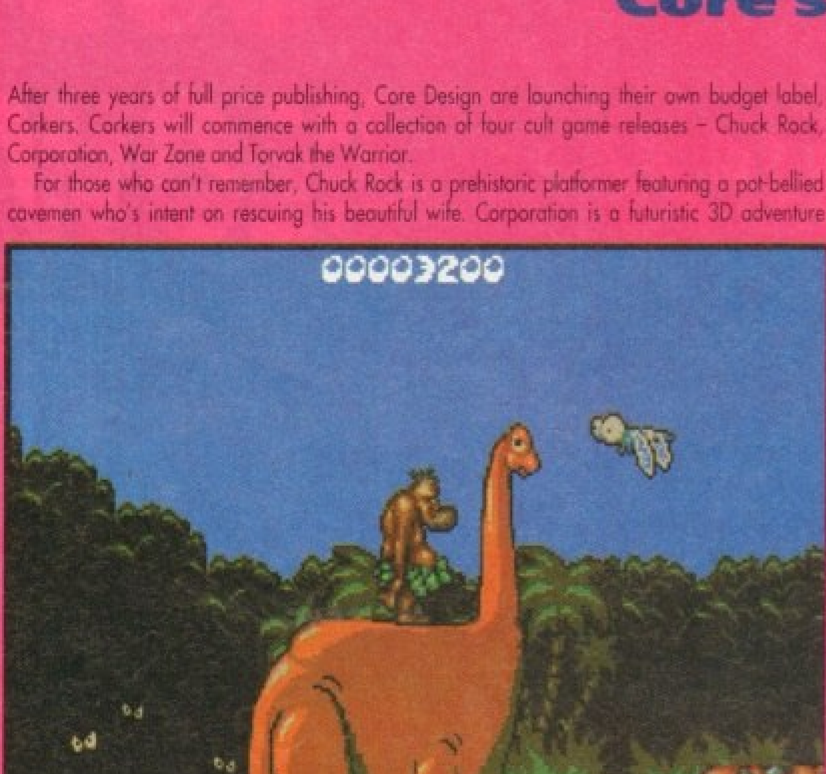
Core's Corkers

After three years of full price publishing, Core Design are launching their own budget label, Corkers. Corkers will commence with a collection of four cult game releases – Chuck Rock, Corporation, War Zone and Torvak the Warrior.

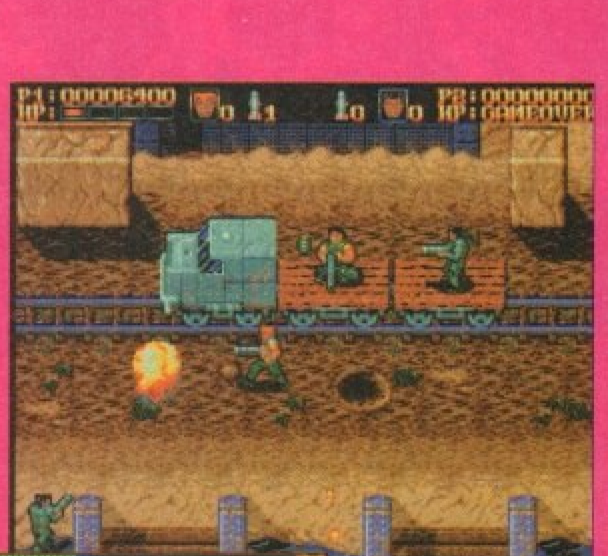
For those who can't remember, Chuck Rock is a prehistoric platformer featuring a pot-bellied cavemen who's intent on rescuing his beautiful wife. Corporation is a futuristic 3D adventure which takes you on a journey into the world of Cybernetics. War Zone is eight levels of scrolling shoot-'em-up action while Torvak the Warrior is a gargantuan hack 'n' slash adventure.

These titles should be in the shops now and retail at a price of £9.99. Subsequent titles from the Corkers budget label will be released at a rate of between two and three titles per quarter. There is no fixed pricing for the label and retail prices will vary dependent upon the title, game genre and format.

War Zone and Chuck Rock are reviewed in this month's Cheap Seats.



Chuck Rock



War Zone



Torvak The Warrior

Hit for six... again!

Graham Gooch's Second Innings is an expansion disk for use with the critically acclaimed Graham Gooch World Class Cricket. A number of changes have been made to improve what is possibly the world's best cricket game. Tougher opposition is now provided by the computer batsmen. You can view the scorecard for any innings and during computer vs computer matches, plus ten games can be saved to one disk.



2nd Innings

You can now load in specially created saved games, either provided on the 2nd Innings disk, magazine coverdisks or on future expansion disks. This enables you to recreate historic matches from the past.

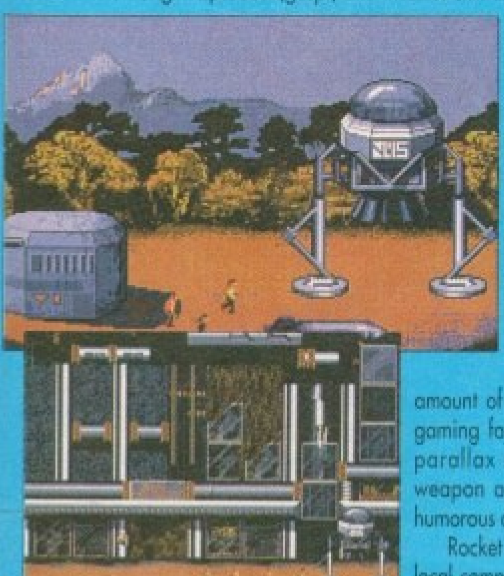
As well as the five historic matches included on the disk, there are also complete 1993 squads for all 18 English counties, with batting and bowling averages up to the end of the season. A new England squad is also included which comprises all of the players selected for the West Indies tour.

Many of these new features were suggested by users. Audiogenic couldn't include every idea, but they plead with users to keep writing in because they hope that one day they will create a version for the A1200 and CD32.

Graham Gooch's Second Innings is in the shops now and will cost you £17.99. Howzat!

Rocket and roll

Over the past few years every concept in video gaming such as flight sims, god games, platformers, shoot-'em-ups, beat-'em-ups, drive-'em-ups, strategy and sport sims have all been mastered and cloned several times over, except for the gaming concept of Hot Shot Entertainment's Rocket Rescue. It is an original product (gasp!) and involves skill and judgement where the player has to take control of a rocket ship, negotiate forcefields and weather conditions and destroy all enemy predators.



Rocket Rescue

In order to fulfil the tasks of each level, the rocket ship has to land on each planet's surface and save the otherwise doomed hostages.

Rocket Rescue simply exploits all of the hardware capabilities of the present day Amiga and features detailed graphics and an incredible amount of depth to the all-important computer gaming factor. The game includes 100 levels, parallax scrolling, use of power-ups and weapon add-ons, game save feature plus a humorous digitised speech and sound effects.

Rocket Rescue should be available in your local computer store now. The price is still yet to be confirmed.

INNARDS

It's a Happy New Year, and if you'll excuse me I've still got a really bad headache. I'll get the Asprins while you look at...

REVIEWS ● REVIEWS ● REVIEWS

REGULARS ● REGULARS ● REGULARS

GET IT BEFORE IT GETS YOU!!

ALIEN BREED 2 - NOW AVAILABLE

TEAM 17

TEL: 0924 201846


Remember this one kids – red sky in the morning, shepherd's warning

ELITE II FRONTIER

After an eternity lost in space it's finally here, the game that's set to launch a thousand shuttles and keep gamers up at night without any cryogenically-induced suspended animation

There is probably no-one who has owned a home computer who hasn't at some time or other come into contact with David Braben's trading-cum-action space campaign, Elite.

First released on the BBC Micro, its wire-frame 3D sent all and sundry foaming at the mouth. As a goggle-eyed 15-year-old I spent month upon month locked away in a dimly lit room, with only my Human League albums for company.

As keen as the next schoolboy to reach the dizzy heights of Elite, this reviewer soon got lost in space. Sacking the default character Commander Jameson, I assumed my action hero-type pseudonym, Wolf Flipside.

Yes indeed, Wolf Flipside: Righter of wrongs, purveyor of purity, guru of goodness, federation freedom fighter and legion of liberation.

Well, it wasn't quite like that; there was the odd run-in with the law for smuggling the odd ton or 20 of Arcturan Megaweed, and a couple of errors in judgement due to mistakes in identifying nice, ripe, juicy traders carrying priceless cargo for nasty roughneck good for nothing pirates.

As the incomparable Wolf, I had many exciting and dangerous adventures (well, kind of for a teenager playing on a home computer). In fact there's one particular incident that I remember with some clarity.

We'd been travelling for over 20 days, the hyperspace jump from Quaxxan to Zaonce was some jaunt, and talk about dull. All around the half-shadowed interior of my beat-up Cobra, beer cans lay redundant reflecting the lights of the ship's auto-pilot.

In a half drunken stupor I glanced across at the long range scanners, nothing but asteroids for entertainment, and to be quite frank the novelty of zapping lumps of rock had long since dried up.

Another turn of the head and I'm gazing at the Gronk, my ever-faithful companion. He, lies snoring his little furry snout off, occasionally catching an itch up his hairy torso with a dozy claw.

I begin to snooze myself, and am just beginning to fantasise about a night on Rigel 5 with the four-breasted love sirens when I hear the shrill sound of the scanner alarm. With a start I jump to my feet spilling beer, peanuts and ash everywhere. Cursing my luck, the Gronk sends a proboscis from his snout looping out towards the scanner, seconds later my stomach drops as an ominous image materialises on the main screen.

"By the piles of the Plaeides, it's a Thargoid invasion ship!" I gasped.

The Gronk gronked (on his planet, gronking wind in a different colour expresses an emotion) purple wind everywhere, as if in some way summing up the horror of the impending situation.

As the rank air cleared around me, an even bigger stinker was dropped; a Thargoid missile was raking its way through the blackness of wytchspace towards the ship.

In an instant the projectile had found its lock on my fragile hull. in response I hammered on my ECM (Electronic Counter Measure) and initiated my rear thrusters.

The missile exploded and rocked my craft, just as the rear thrusters initiated themselves. As we shot back the ship centred and put four bolts of military laser into the Thargoid's belly.

The inky void illuminated suddenly as the warship's shields failed and 100mw of laser burned into its weak underbelly, exploding it into a million fragments of space debris.

The action over, I cracked open another "tinny" on Gronk's beak and lay back in my seat, content in the knowledge that Wolf Flipside would rule the space lanes for another evening.

The true actuality of the events however, was somewhat different. The reality of the situation was a stuffed teddy anteater (please don't ask why anyone should envisage this particular species of mammal should make a nice cuddly toy) and myself, in my bedroom with the curtains shut gazing at a BBC computer, surrounded by empty tins of pop – but such is the imagination of a 13-year-old. It wasn't long after that, having reached a rating of Elite, that my anti-grav boots were hung up. But, as they say in movies, that was then and this is now.

After what seems like a lifetime of self-inflicted solitary confinement, Mr Braben is back with the long-awaited Elite 2: Frontier.

While in this self-imposed imprisonment, many rumours floated around as to what would eventually be in Elite 2. For instance there was talk of planet landings and exploding stars. While some of the reports were somewhat exaggerated, on the most part speculation has materialised into truth.

The most striking thing about Elite that you notice almost immediately is that it has no plot. At least no plot in the traditional sense that games generally follow.


Weh-heh, look at the pretty colours as you drop out of a light speed jump

DECEASED

The only background relevant to you is that you've been left a paltry sum of cash and a middle-of-the-launch-pad type space ship by your recently deceased grandfather (didn't mean to sound ungrateful – honest pops), in a huge galaxy where you can basically do anything.

When you first boot up Elite 2 it's quite daunting because you just don't know where to start. To tell you it's a vast game area really is an understatement.

In the original Elite there were eight galaxies, in Elite 2 there's just the one. However, it's as accurate to the genuine article as amateur astronomer Mr Braben could render it, and contains 200, 000, 000, 000 (11 zeros) stars with some 30, 000 inhabited planets.

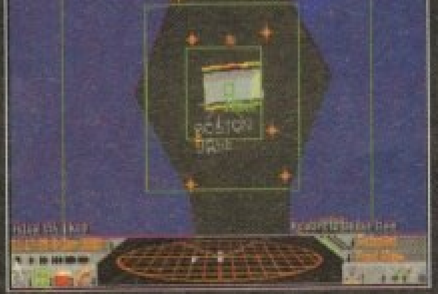
So you can immediately gather that to get anywhere of any status in the game is going to take a little bit more effort than the usual climb a few ladders and blast a few baddies malarkey.

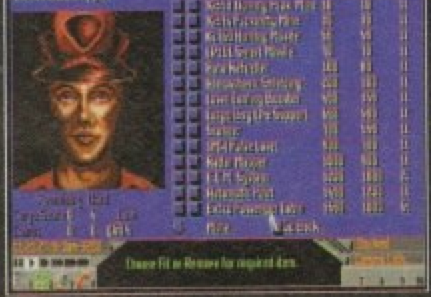
After you've come to realise your own petty insignificance within this massive arena, the next task is to decide what on earth you're going to make of yourself.

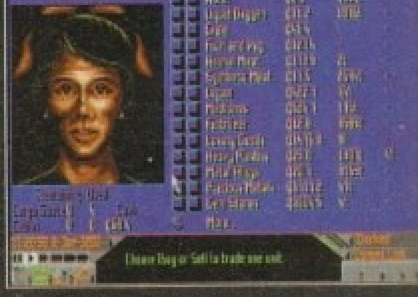
In the original you reached the top notch through a combination of fighting, clever trading and maybe a touch of under-the-counter smuggling.

Well in the sequel those elements have been retained, and you could easily play it in the same manner, but would be missing a great deal of the


These new fangled petrol stations really are the limit, now where is unleaded?

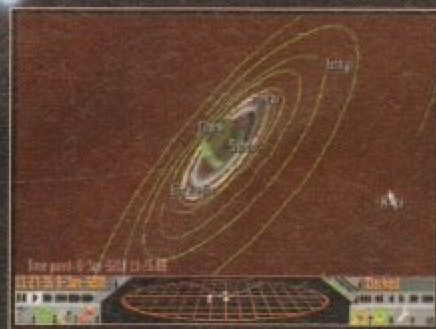

If you can't tell a star system from a lamppost, let the auto-pilot take the strain


Here at the hardware store you can buy a full range of stuff to kill people


Trading in the galaxy's come a long way since the original Elite



...is the local chart, you can zoom in on ...object and target your auto-pilot



Ah, one of the true stellar delights of the solar system, Saturn's split ring



Amazing map views of the galaxy, including a zoom shot of the spiral arm naked

...lying intelligence that exists within it.

To all intense and purposes Elite 2 has recreat... a new life in a universe of the future. The polit... infrastructure that exists in this time is one of ... war espionage and assassination between the Federation and the Empire.

One of the many decisions you can make is to perform tasks and work for one of these two ...ge governments, in a way pledging allegiance.

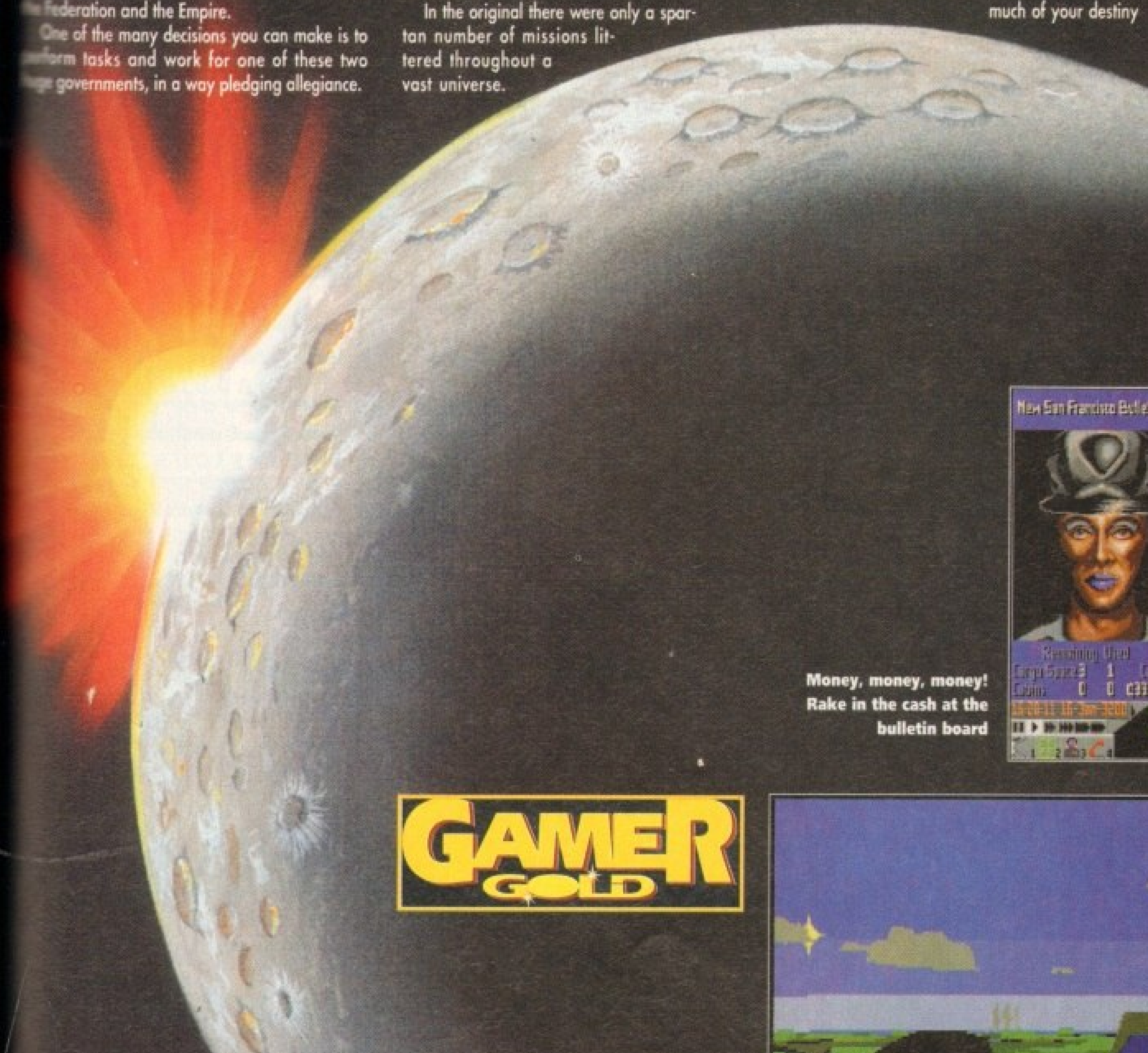
Undertaking work as an agent gives financial reward and also rank; the more successful missions you carry out, the higher rank you achieve (yes, it's not just the Elite rating that's important in this title).

In the original there were only a spartan number of missions littered throughout a vast universe. Elite 2 has literally thousands and includes over 70 different types of mission.

On landing at a space port or one of the many orbital space wheels, stations and cities, you can access a bulletin board. It's here that much of your destiny will be decided. To begin with the missions you are offered are quite simple and can very easily be incorporated into trading. For instance, you may well be required to deliver a message or parcel from one base to another.

If you are successful then your reputation is enhanced and more complicated tasks will be pushed your direction. Conversely, if you manage to make a gaseous nebula of a mess of your job, then you lose the confidence of your employers.

The military of both governments are always on the lookout for recruits, so it's quite easy to enlist here. Again starting out on simple spying trips, if ➤

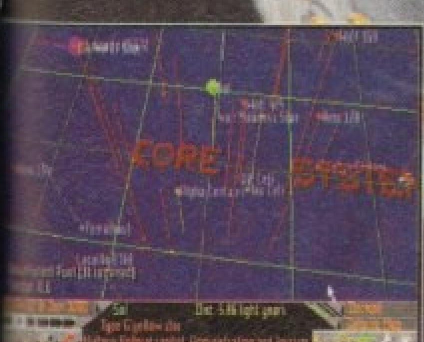




Money, money, money! Rake in the cash at the bulletin board



Crickey, it's New San Fran. I wonder if the flowers still grow here, regardless of the pollution and radiation...



...e first of the star system charts. ...is one guides your hyperspace ...p and tells you distances.



Oi Barroi, yam comin' douwn thu pub for a point? Imagine it a planet full of Brummies – what a heaven



Eh up, there's trouble at mill, them there pirates are taking pot shots at my space station



Unlike the original, the rozzers now have their own Portakabin

you're successful you'll soon be on contract killing missions or sent to destroy an enemy space station.

Obviously, the stock market aspect of Elite is still in existence. However, fundamental changes have taken place since the heady days of the 80s. For one the prices at each location are no longer static.

What this means is that because prices behave like a real stock market, you could actually sit at one port buying and selling commodities for profit, without actually blasting off anywhere.

DRAMATIC

The other probably immediate difference to the trading aspect of the game is that the range of products has increased dramatically.

The same is true of equipment that can be bought from the stations around the galaxies. For instance, if you wanted to become a space taxi then you'd have to purchase passenger cabins.

You can also upgrade just about everything to the nth degree. From engines to lasers and missiles the list is almost endless. It's even possible to purchase something called a Hyperspace Cloud Analyser which checks where a ship has gone once it's in hyperspace.

But, I've left the best till last, because in Frontier you can actually upgrade your ship. No longer do you have to stick with the Cobra, and there are over 30 to choose from.

The choice really is yours – you can stick to nimble acrobatic combat single seaters or get yourself something a little more substantial like the 2,500 tonne Panther (Volvo of the future) for extensive trading.

So you can see there's an absolute crater full of things you can do in Frontier, but the question that's positively bursting to escape is: What does it play like?

When you first start controlling Frontier it'll feel very alien and different to the Elite you knew so well of yesteryear. For one, the simulation of space travel has been made much more realistic, with zero gravity and directional energy having a lot more relevance than in the original.

This at first is off-putting and somewhat confusing, but don't be disillusioned by it. It doesn't take long before you get into the swing of flight or the icon control system employed for accessing charts and equipment. In fact, it soon becomes a very logical system which feels second nature.

It's incredibly difficult to describe what playing Frontier is actually like once you've become adept with the controls. I could give you some long-winded narrative (me?) full of superlatives and theatricals, but I think it's far better for you to find them out for yourself. Let's just say that you get intensely involved in matters.

Visually, Frontier contains some of the highest detailed polygons your likely to see on an Amiga. From the huge space wheels to the domed cities on the planet surfaces, it's all there in beautiful light-sourced technicoloured detail.

One of the most visually impressive aspects to Frontier is that you can be out in the depths of vacuous space pointing your ship at a prick of light some six light years away. Then fly at it and watch it grow – you might eventually end up at the window of some complex on the surface of the planet.

ASTRONOMICAL

Everything being astronomically correct, you can watch nightfall from one of the moons of Saturn or orbit Jupiter and follow the red spot.

For a game to handle so much, there has to be some pitfall. It has to be said that on an A500 machine the update is a rather slow affair and behaves like a bit of a lame mule. However, detail levels can be turned down, and this does speed the general pace of the game up.

Frontier is an incredibly difficult title to bracket. There are many different styles of game in it, and many different ways in which you can approach it.

It's also quite tricky to come up with a superlative that encapsulates (serious word time folks) the total feeling that Elite 2 generates. It has everything really – great graphics, vast play area and an on-going depth that immerses you further the more you play.

In a word, Frontier is unmissable. It's a star of a product that burns brighter and with a greater magnitude than any other product has for many a year, and you'll love it.

SIMON CLAYS

VISION

AUDIO

DIFFICULTY

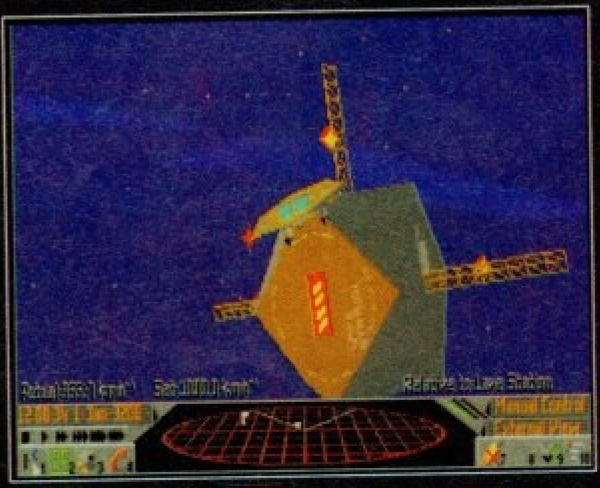
LASTABILITY

94%

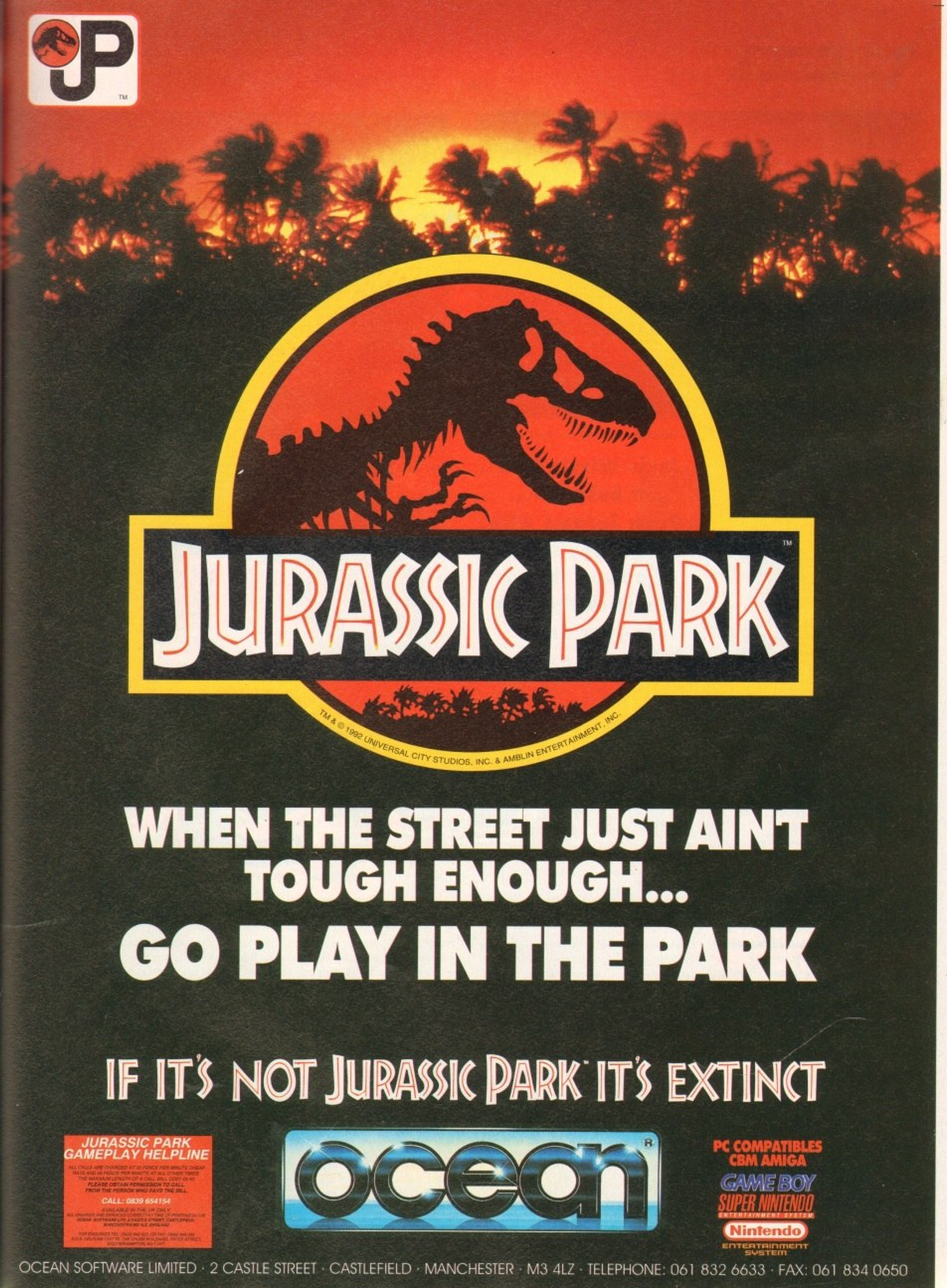
Undeniably another all-time classic in the making from Mr Braben. Great graphics and absorbing play make Frontier the ultimate space experience – ever.

Publisher ➤	Gametek
Developer ➤	David Braben
Disks ➤	2
Price ➤	£34.99
HD Install ➤	Yes
Size ➤	1 meg


Sir, I have it on main screen now... it's a giant peanut moving at a tremendous rate of knots.


A very stylish Cobra Cabriolet attempts an extremely complex docking manoeuvre without an auto-pilot


Bizarrely enough, the status screen tells you your status



JP
JURASSIC PARK™
TM & © 1992 UNIVERSAL CITY STUDIOS, INC. & AMBLIN ENTERTAINMENT, INC.
WHEN THE STREET JUST AIN'T TOUGH ENOUGH...
GO PLAY IN THE PARK
IF IT'S NOT JURASSIC PARK™ IT'S EXTINCT
JURASSIC PARK GAMEPLAY HELPLINE
CALL: 0839 654154
ocean
PC COMPATIBLES
CBM AMIGA
GAME BOY
SUPER NINTENDO
ENTERTAINMENT SYSTEM
Nintendo
ENTERTAINMENT SYSTEM
OCEAN SOFTWARE LIMITED · 2 CASTLE STREET · CASTLEFIELD · MANCHESTER · M3 4LZ · TELEPHONE: 061 832 6633 · FAX: 061 834 0650



Magic Boy gets bits everywhere in Sand Land



Magic

Izzie Wizzie let's get busy, err... Open Sesame with Magic Boy's staff of power, that or just stick the disk in your drive

Magic Boy puts you in the unlikely control of an apprentice wizard with the equally unlikely name of Hewlett. Now, little Hewlett is a student at sorcery school and this is the first thing that needs addressing.

It makes sense to me that if you are going to attend magic school you need an entrance qualification. Now, I don't know about you but when it came to decision time at my comprehensive concerning your options, 'O' level magic was not on the list.

English language, maths and even religious education yes, but no insight into the world of arcane knowledge – well not at my working class, state run seat of learning.

However, it would be interesting if such a topic was an exam subject, because I for one would take it.

Imagine the exam, you walk on to a fanfare of trumpets wearing a patched up cape, top hat and obligatory white gloves (all courtesy of Mr. Hoofey). Along side you your gold bikini clad assistant, the beautiful sixth form babe Jane Hedley-Hedley-Smyth-Smyth (she lives on the nice estate).

As the rest of the school look on with mouths gaping wide open, you embark on your first examination trick – sawing the beautiful Jane into segments.

However, because of the government cutbacks in education spending, all is not what it should be on the props front. For one, the box into which the sultry Jane must slip her slender self into is courtesy of the second year craft department.

These particular pieces of timber lived their former lives as part of a front gate and the remnants of a sledge involved in a freak downhill accident. But anyway, thanks to the talents of Form 2B, the box is ready on exam day, albeit suffering from chronic dampness and splinters.

A drum roll commences and Jane slides into place, simultaneously your makeshift saw makes its appearance to cries from the crowd.

To be honest these aren't shrieks of horror at the size of the saw in your hand, but cries of astonishment that you're going to attempt this act with a craft knife from the art department.

As you make your first incision into the jagged slots filed into the box, your unwitting assistant jabs her shapely posterior on one of the many splinters.

The next few moments seem to last a lifetime, as Jane jumps in pain the craft knife slips and lacerates her thigh. This in turn dislodges the box which topples sideways to reveal a hollow plinth, where the slightly wounded Jane stands sobbing into a pair of dummy legs.

Those fateful few moments have sealed your fate, and put the dampers on your dream of a career in magic. Think, no hope of going prematurely bald, "not a lot" of opportunities for having the worst catch phrases in show business and best of all absolutely no chance of marrying your mutton dressed as lamb assistant. Anyway, once more their seems to have been a quite major digression from our starting point. To recap, Hewlett is top dog at sorcery school – it's a bit like *Fame* with wands and cauldrons. He's passed all his exams and pipped the moustachioed David Copperfield to the number one spot despite his impressive vanishing of a jumbo jet up his magi[c] circle.

Despite being Merlin's little pet things aren't [a] total bed of roses. You see, one evening Hewle[tt] stays behind to swot up on some book or other. A[s] he rummages through the cupboard where ever[...]



One small step for mankind, but a big one for Hewlett



Magic Boy works out on the treadmill



Something fishy's going on in this plaice. Cod knows I've hadd-ock enough



Der-dum... der-dum... der-dum... dum, dum, dum... err, Jaws I think

tidy sorcerer keeps their left over spells, he trips over a trapdoor that leads to the basement.

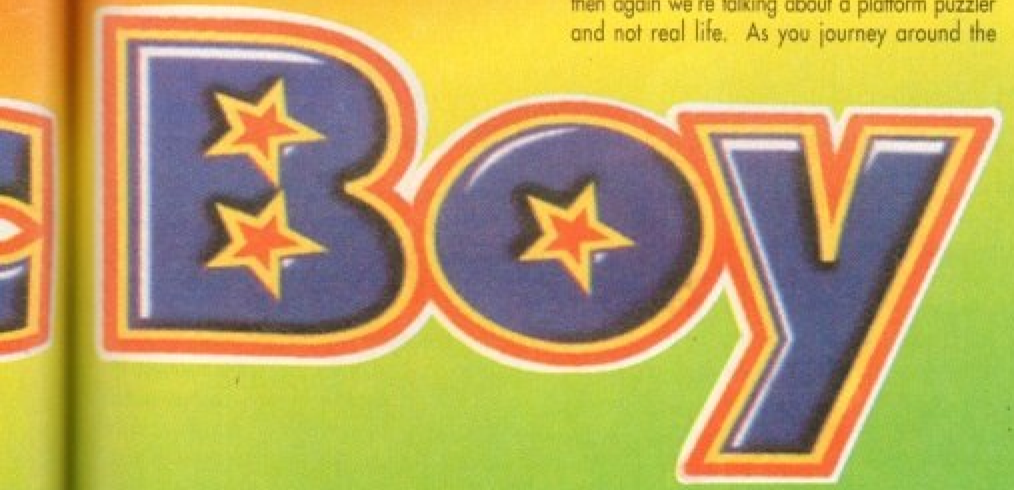
It's down here that the Grand Wizard keeps a wide variety of crazy magic animals. But not for long, because as soon as they clap sight on the vaguest hint of daylight they bolt for it.

Now I don't know about you, but it seems that the big cheese isn't looking after his pets very well. Keeping them locked up in a subterranean cell it's no wonder they bolted, anyway remember kids – a magic animal is for life not just for Christmas dinner. Hewlett however, is not concerned with living the born free ethic and is more concerned about not getting into trouble with teacher.

To achieve this Hewlett must recapture all of the marauding menagerie and return them to their environment *au natural* in the cellar.

As Hewlett your search will take you through four main worlds. They consist of Sand Land, Wet World, Plastic Place and Future Zone, and strangely enough they all really do speak for themselves when it comes to what kind of environment they are.

Now, each world is made up of 16 levels. This might shatter the illusion of the plot somewhat, but then again we're talking about a platform puzzler and not real life. As you journey around the worlds you are asked to complete an initial eight levels. Once you've done so when you visit for the second time you explore a second set of eight.



To access any of the levels you simply highlight them on the compass screen which clever clogs Hewlett carries around with him.

Basically control of the play is fairly simple and straightforward. All the normal joystick movements push Hewlett in the relevant directi ons and pressing the Fire button shoots his love wand – they don't call him Magic Boy for nothing you know.



Oh, it's clammy in here

Hewlett's wand has a range of power ups which lengthen, strengthen or spray his shot wider and all help stun the animals.

Once they are stunned simply moving the would be wizard into the stunned creatures results in them being bagged up in Hewlett's magical sack and hence recaptured.

As usual in this form of zap-puzzle-platform scenario there are a number of things which are helpful and some which are a pain in the magic circle.

For one, there are tokens to collect which when completed grant you extra lives. On the downside their are dissolving platforms, sticky blocks, toxic pools and trap squares to be aware of.

Graphically, Magic Boy is very sweet and sugary. With his blonde hair sickly smile and red cape Magic Boy is a dead certainty for a cutesy award.

This doesn't say a lot for his big magic wand pretensions, but his snug tunic (which could easily pass as a skirt) does keep it firmly lodged in the right place.

On a more serious note, both the scrolling and animation are really rather nice on Magic Boy and despite my allegations directed towards his manliness the whole feel of the product right.

Playwise, I've never been a great fan of platformers of any kind, but I do acknowledge that they have a massive following among gamers.

I also have to confess that I actually enjoyed playing Magic Boy. The control seemed to respond really well and the puzzle aspect of the game made play a lot of fun.

With 64 levels and 32 bonus levels to explore there's a great deal to do in Magic Boy. It's a very friendly and easy to play title with a lot to offer platform lovers.

It sounds good, plays well and it's so annoyingly cute you almost want to retch. Plus, the first few thousand copies feature a free copy of the Cool Croc Twins. What more do you want from a game?

SIMON CLAYS



Ooh, the crabs – scritch-scratch. Magic Boy picks up a double dose on the rocks

VISION

AUDIO

DIFFICULTY

LASTABILITY

Nothing in particular to write home about – just a good, honest platformer with decent sound and graphics, and the odd twist to elongate its appeal.

79%

Publisher ➤	Electronic Arts
Developer ➤	Dinamic
Disks ➤	1
Price ➤	£25.99
HD Install ➤	No
Size ➤	½ meg

KINGMAKER

A strategy war game based upon the War of the Roses that features intrigue, factional politics and bloody warfare. US Gold's newie certainly isn't cricket!

There are hundreds of gamers out there who love strategy games. Unfortunately most of them have been stereotyped by a lot of people. Yes, if I asked you to describe a strategy games fan off the top of your head you'd probably say that they wear anoraks, NHS specs, balaclavas, ill-fitting trousers, have spots and harbour a fondness for trains.

This is not the case, although there are probably a few "anoraks" out there who give strategy fans a bad name. There is definitely a stigma attached to the name "strategy", but hopefully US Gold's Kingmaker can do something to try and get rid off or at least dent it.

In recent times, the computer strategy market has seen the movement away from "hex and square", super detailed games (SSI-style war games) to graphically competent products with very user-friendly control systems. Products such as Powermonger and Civilization have been amazing successes and show just what you can achieve with a strategy game.

Kingmaker is a strategy board game that has been on sale since 1974. Excuse me for being ignorant, but the only Kingmaker I'd heard of was the top indie band, but older members of staff do vaguely remember it.

The board game is an abstract recreation of the chaos, war and intrigue that epitomised the period of British history known as the War of the Roses.

In four turbulent plays, Shakespeare portrays the War of the Roses as a conflict of treachery, murder, fearsome vengeance and bloody battles. For those who lived in Shakespeare's era – a century later – the Wars were a time of violence, devastation and anarchy. Only when Henry Tudor killed Richard III at Bosworth did these evil times come to an end. For those bold enough, the War of the Roses provided opportunities for advancement and power as established noble families fell by the wayside and local rivals were slain.

Hands up who now thinks that a strategy game about the War of the Roses would be naff and not interesting or exciting in the slightest? It's almost like finding out the Shakespeare isn't boring and is, in fact, more like an olde worlde Quentin Tarantino.

Kingmaker kicks off with a fancy intro presented by William Shakespeare who is accompanied by a series of digitised pictures detailing the occurrence of the War of the Roses.

ROYAL PIECE

It's then right down to business and you are presented with the main screen which is split into three sections. Your objective is to control the last surviving royal piece and so become the undisputed King of England. You are in charge of a faction of nobles representing actual historical personalities from 15th Century England.

Kingmaker accurately reflects the changes in strengths of the factions as they are decimated by battles, plagues and failed ransom attempts, or have new honours bestowed on nobles with attached troops and castles US Gold reckon that most people lose interest in other strategy titles because their artificial intelligence programming is weak, meaning that the player can learn the "perfect" strategy. Kingmaker is different from its rivals because there is no such thing as a perfect strategy. As a general rule, board games don't translate to the home computers very well.



The start of Kingmaker and you begin to split your nobles into factions



Next on BBC2, William Shakespeare presents Gardeners' Olde World...

For starters you lack the human interaction which makes them so enjoyable. Secondly, there isn't a lot more a computer game can do that the board game can't and the board game will probably cost you a lot less to buy.

Kingmaker, fortunately, features a lot of features that wouldn't be possible to achieve with a board game, such as tactical combat and cinematic action sequences. Instead of a battle being lost on the turn of a card, you can now fight and decide the battle for yourself. The computer's artificial intelligence has been carefully designed and tries to recreate human thought processes as best as it can, and so can react favourably to an ever-changing tactical and strategic situation.

A nice little touch is the in-game help feature. An important objective of the computer game was to make the game accessible to novice strategy game players and this was achieved via a help or "chronicle" system which prompts players at key points in the game with suggestions on strategy and tactics. This can be altered to different levels depending on whether you're an expert or a beginner.

It also means you can practically chuck the weighty manual in the bin, but it does contain a wealth of historical information and sets the atmosphere and scene, as well as more detailed instructions on how to play the game.

Control of Kingmaker is via the mouse with a completely intuitive icon system that gives you easy access to all of the game functions. As mentioned before, the game is played on a digitised map of the UK using "counters" represented by the 100 per cent accurate heraldic shields of the historical nobles.

Several of the towns and cities have digitised pictures of the historical castles or cathedrals in existence in the 15th century. All this detail is very impressive and gives a good feel to the game.

Before you head off into action, a menu asks you to select the number of factions (1 to 5) you face in the game. The more factions the computer controls, the tougher the game becomes, although the computer-controlled factions will compete against each other just as fiercely as



By clicking on a noble's shield you can obtain some helpful information



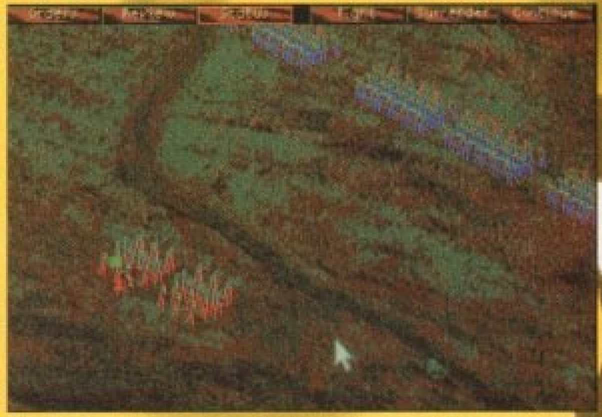
The start of the "turn" phase and you have the perfect chance of conquering Ipswich. Fun? I should coco!



Waiting for the computer can be a long process, so why not go make a brew and decide what to do next? No stress! No problem!



Time for battle to commence. Note the handy help screen at the top. I, err, wasn't using it of course – I just thought I'd show it you. Ahem



Thanks to the power of graphics and animation, you can fight your own battles rather than have them decided for you on the turn of a card

they compete against you.

As mentioned previously, to win at the game you must control the last royal heir. To achieve this you must capture and control an heir, eliminate all his/her rivals and have your heir crowned king in a cathedral town or city by an archbishop or two bishops.

Planning the risk-free capture of an heir is one of the most important parts of the game's opening period. Your faction's opening dispositions and moves should be geared primarily towards the capture of at least one royal heir.

VARIABLES

Choosing the right one is a question of balancing a number of variables. How close are the forces of opposing factions? How well guarded is the heir? Is there a noble in play who can capture the heir easily by virtue of an office they hold?

In fact, Kingmaker is a game where questions like these arise on every turn and decisions must be made which will, in turn, decide your victory or defeat.

For your first few games, the right strategy might seem bewilderingly obscure. Until you get used to the game you are advised to set yourself a simple goal and go for it. You'll soon get used to the advantages and disadvantages of certain combinations.

Kingmaker is relatively simple to use and control, but you'll have to spend many a long hour at your monitor screen before you'll be able to master it.

On my first go I played on the easiest level and managed to beat the computer (hey there's skill for you), but on the harder levels I was like a fish out of water.

This is perhaps the best way to go about playing because if you leap in at the deep end you tend to stumble your way through and in turn learn about how to play as you progress. There is always the Help option available and the computer opponent tends to be fairly slow, so it won't defeat you in a couple of turns. I could go on about US Gold's strategy jaunt for ages because there is a ton of information to tell you, but lack of space prevents this and it'd get fairly boring anyway. Conclusion time it is, then.

I must hold up my hands and admit that Kingmaker is a damn fine strategy game. I found myself engrossed and determined to see the game through to the end whether I won or lost.

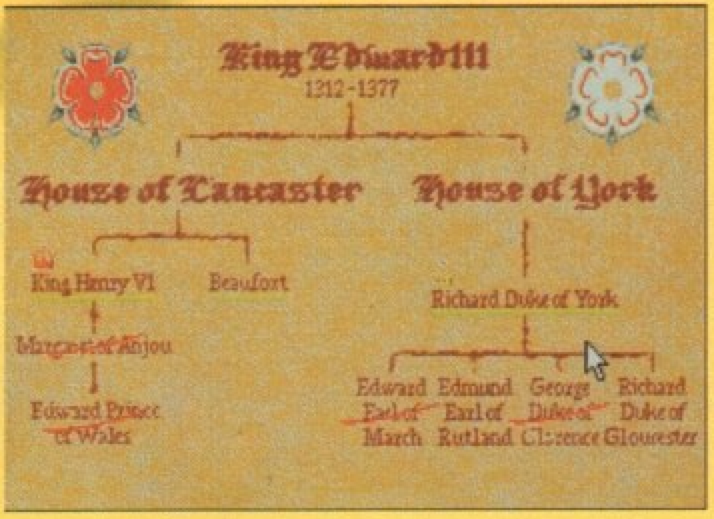
The graphics for the main part are fairly bland, but that's only because they were translated from a board game. The introduction of the digitised screens livens things up a bit and the battles are well animated, if not a bit slow.

There are also a few choice animations slapped in there for good measure; the execution scene being a good example. The sound is sparse, but as the board game distinctly lacked noise I shouldn't grumble too much.

The only real complaint I have is the fact that the computer does take rather a long time to decide what to do next. This does give you the ideal chance to plan your next moves, but after a while it gets on your nerves.

Kingmaker impressed me and coming from someone who is not overly fond of strategy that can only be a good thing for strategy fanatics, who are going to love it. Obviously it's not going to appeal to everyone, but if war/strategy is your thang then you'll be more than happy with Kingmaker.

JONATHAN MADDOCK



Find out what state each royal heir is in via the ever-so-helpful Family Tree. Great Aunty Maudes are not included

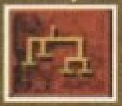
Icon make you feel good

Faction Build Key



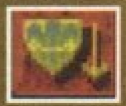
This returns you to the Faction box where you can make changes to your faction's line-up. You can also use the review function to observe where other factions have their armies, and where the royal heirs are.

Family Tree



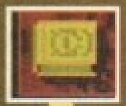
This lists the royal heirs, by house, in order of precedence. Where a royal heir has been killed, that character's name is "crossed-out". If captured by a faction it is indicated by a bar in the colour of that faction. If crowned king, the character's name will have a crown beside his name.

Secret Support



During the Reinforcement phase of the game, factions may be joined by additional nobles. These can be brought into play by clicking on this icon.

Chronicle Key



By using the menus you can discover detailed information about various parts of the game. To read about an item all you have to do is click on it.

Review



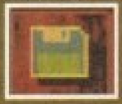
This allows you to discover the whereabouts of royal heirs and enemy nobles.

Where is?...



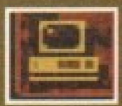
Use this to track down nobles, royal heirs, bishops, towns or anything else currently in play.

Save Game options



You can store up to 8 saved games allowing you to stop and continue play when you feel like it. You can also restore a saved game from here.

Game options



From here you can restart the game, quit, toggle sound on/off and alter the auto-help setting.

Fresh Horses



Fresh Horses allow a Faction to move twice as far in one go. This icon records how many fresh horses your faction has.

VISION	8/10
AUDIO	5/10
DIFFICULTY	7/10
LASTABILITY	9/10

Kingmaker is a damn fine strategy game and will appeal to beginner just as much as the expert, thanks to the handy Help option. **85%**

Publisher	Electronic Arts
Developer	Dinamic
Disks	1
Price	$25.99
HD Install	No
Size	½ meg

When you think of flight simulations, the first company that springs to mind is MicroProse, purveyors of such quality products as Knights of the Sky, F-15 Strike Eagle, F-19 Stealth (F-117A's forerunner) and the legendary Gunship.

More recently, Dogfight and the highly popular Gunship 2000 have graced the shelves, and indeed the top of the charts of your local software emporium.

When you glance at that list it makes fairly impressive reading. In fact, the only two products that have come out of the MicroProse stable and gone slightly lame on take-off were the over-ambitious Flying Fortress and the underrated WWI flight strategy Ancient Art of War.

It seems that for quite a while now MicroProse have churned out nothing but extravaganzas in the air, and they appear to have approached every conceivable flight simulation feasible.

What could they possibly simulate this time? They've done them all – modern warfare in the skies, old-style dogfighting, fighter simulations, bomber simulations – the lot.

What could be next? After several hours of racking my brain, thinking of every conceivable type of military and commercial jet known to mankind, I finally hit on what it was that MicroProse were going to simulate this time around.

Yes indeedy folks, MicroProse are proud to present their latest true-to-life flight of fantasy – Codename Flying Rat: Pigeon Simulator.

MicroProse are guaranteeing that Pigeon' will be able to totally accurately replicate the real McCoy. It'll come equipped with a modern chip-seeking beak, one gammy leg, people-finding guided excretion missiles and completely knackered wings (I'm not sure they all have, but they do where I live).

Beginning as a young chick, you'll start at the flight egg-cademy where you'll learn flight theory. From there it's on to serious missions as a rookie.

Starting on single missions you'll begin as a young flying learner. You'll be set such tasks as basic back garden take-off and landing manoeuvres, moving on to land-on-the-garden-fence stunts with enemy ginger Toms crawling all over the area.

Pass these basic tests and you'll be sent into action in one of the many town centre zones. Fly dangerous bombing missions around national monuments such as Trafalgar Square, using your laser-guided excretion missiles to seek out freshly *coiffured* hair.

Avoid being squashed by the traffic as you waddle around roadsides in an attempt at being the dumbest creature on two legs.



The main roster room or have I just got back to my Magaluf hotel foyer three sheets to the wind?



The mission briefing ... tion. It also makes a ...

F-117A



Play Tarzan as you swing from a helicopter

Fly life-threatening sorties into political hotspots around the world. Flap your way into the Far East and avoid ending up as Bombay Duck.

Enjoy the carnal pleasures of reproduction and push your flight skills to the limit. Flap carefully as you attempt the highly risky mid-air-link-up with the hen of your choice.

Plus, in true MicroProse fashion, all the action can be viewed from a multitude of angles. Some of the most interesting are the external shots, especially the pigeon's bombsight view.

Actually, imagine my surprise when their new product turned out to be not a pigeon simulator, but in fact F-117A Stealth Fighter. Envisage my immediate disappointment at finding out that there would be no emu, duck or owl data disks, just another aeroplane sim.

However, the Stealth Fighter or Nighthawk (sounds like one of the Gladiators) is no ordinary plane. During the Gulf War it proved it was entirely worth the massive investment by its manufacturer, Lockheed.

Although there were only a handful of them involved, within hours of the first day of war they had completely crippled the Iraqi air defence net-work.

Having flown invisibly through hundreds of miles of electronic enemy eyes the F-117As had paved the way for the rest of the coalition air-force and given the allies almost total air supremacy.

With this type of success it now comes as no surprise that MicroProse opted for Stealth as opposed to the pigeon simulator.

As is usual with MicroProse products, Stealth comes with a manual absolutely crammed to the rafters with information about the plane, its equipment and armament.

After this spurious form of training it's time to embark, and march in hob-nailed boots down to the main roster room.

The first thing to say is that F-117A is not one, but two simulators in one. The main MicroProse simulator has a bias towards action, combat and missions.

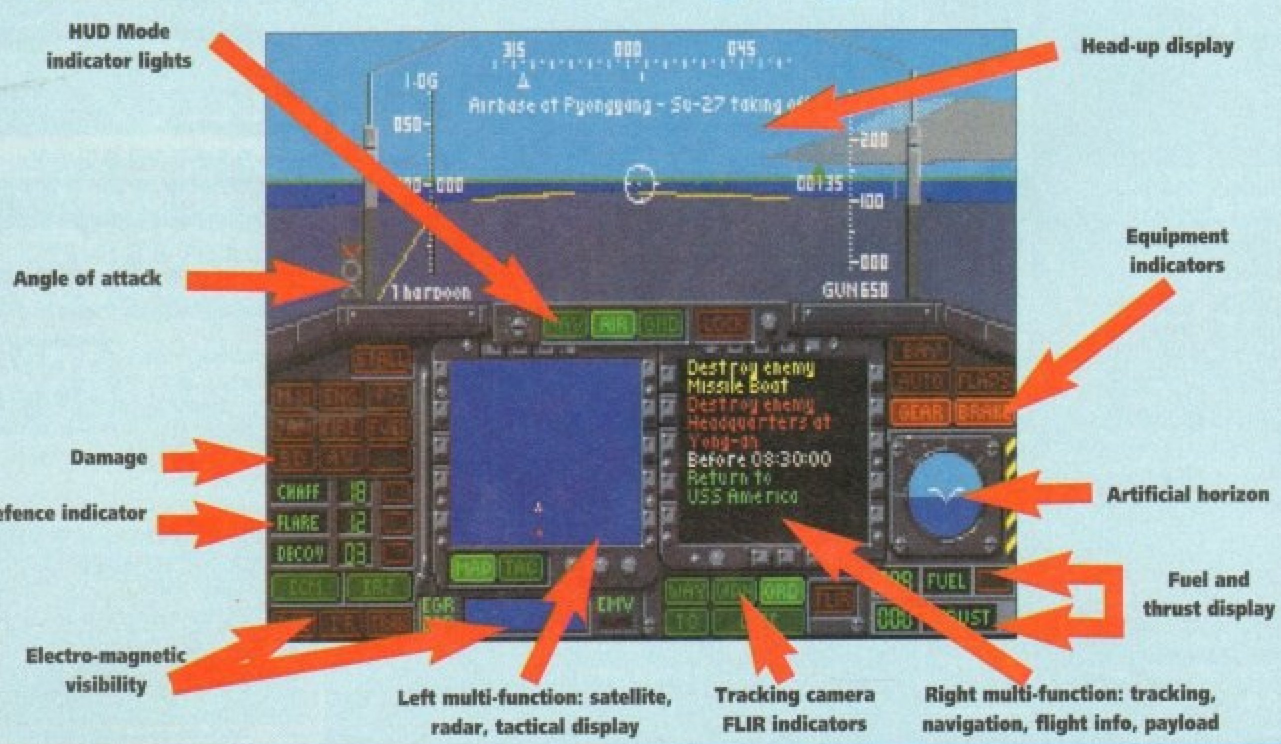
Conversely, the Lockheed version is much truer to reality, but features less dogfighting. However, on both versions you can toggle through and adjust everything from the ground detail to the skill of the enemy.

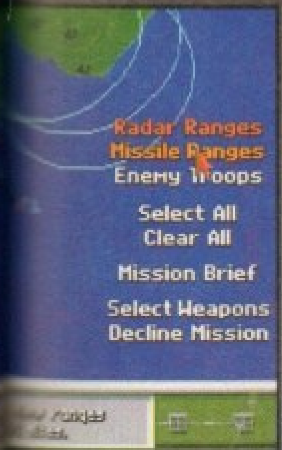
Once you have decided whether to take realism or action, you can take a stroll into the commanding officer's office (having knocked first of course) and choose a theatre to operate within.

Now, the interesting thing about F-117A is that unlike most sims, it has different dimensions to its level of conflict. You can operate in a cold war state or go for full-blooded, all-out conventional warfare.

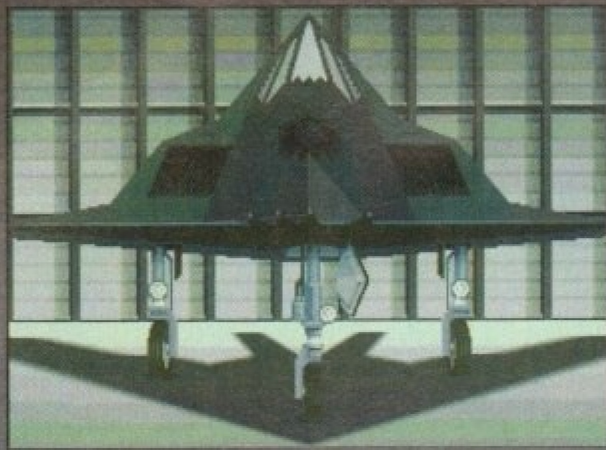
What this means is that there are far more

What do those flashy lights mean?

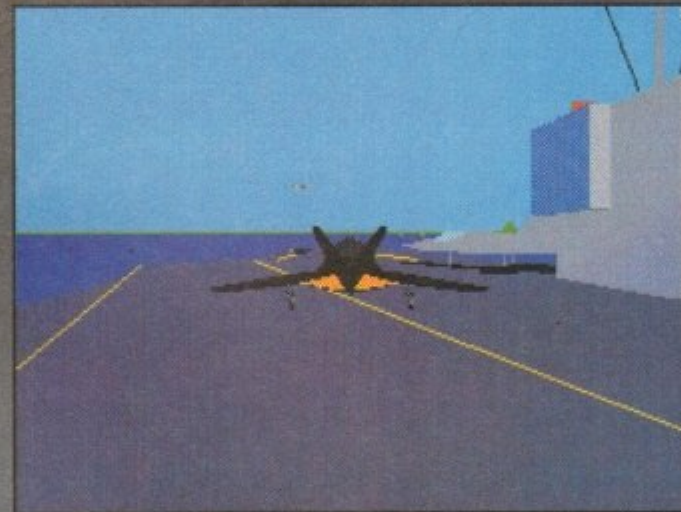




...ely helpful for informa-
...present when framed



Here's the bit when you screech away from the lights ahead of the Capri with your jacked-up suspension and stereo blaring



Always the same on these bloody ferries, park you bumper to bumper

STEALTH FIGHTER

Second time around for MicroProse with the Stealth Fighter, the big question being: is it still healthy to be stealthy?

mission types at your disposal. For example, in a cold war scenario you will be sent on more surveillance missions where the emphasis is on discretion.

You can also select more specific aspects to the mission, like whether it is an air-to-air dogfight or a target strike mission.

As you've already probably gathered, Stealth has a million and one options to choose from, and every conceivable setting to place yourself in.

There isn't really space to go through all of the choices available, but rest assured you have every type of rocket, missile and munition to ponder over.

We've been assured that this time the interior of the Stealth is as accurate as can be achieved on a computer screen. This is because the programmers actually got the opportunity to climb aboard the real McCoy and study it at close range.

Playwise, F-117A has all the features you've come to expect from MicroProse. Internally all of the advanced technologies you'd expect are included on Stealth. It has state of the art HUDs, radars and armament facilities for you to play with and practise on.

To fly successfully you're going to need all your flight sim skills. While the Nighthawk has all the up-to-the-minute technology, its realism and the amount of buttons you have to operate make it a tough little cookie to handle.

During the missions the action comes thick and fast, with you up against some of the top strike aircraft in the world like the dreaded MiG-29.

The graphical world of the Stealth fighter is vast, detailed and very cleverly blended into the missions. For example, when your mission brief is to destroy the palatial residence of Saddam Hussein, you get a full view of Boghdad as you fly towards it.

On all machines the graphics are pretty slick and well defined. While Stealth obviously performs a lot quicker on the A1200, the standard Amiga handles it pretty well. This is no mean feat as the amount of ground detail is high.

There are some really nice touches within F-117A that warm you towards it, especially the attention to detail. For instance, when flying in one of the oil rich nations, don't be surprised to see rigs scattered left, right and centre.

Also, on night missions you'll see an extremely picturesque moon and star-filled sky, which make for that little bit more realism.

Over the years there's been a whole squadron of flight sims, some good, some bad and some indifferent. Stealth Fighter definitely comes under the heading of good, because it contains that little bit extra.

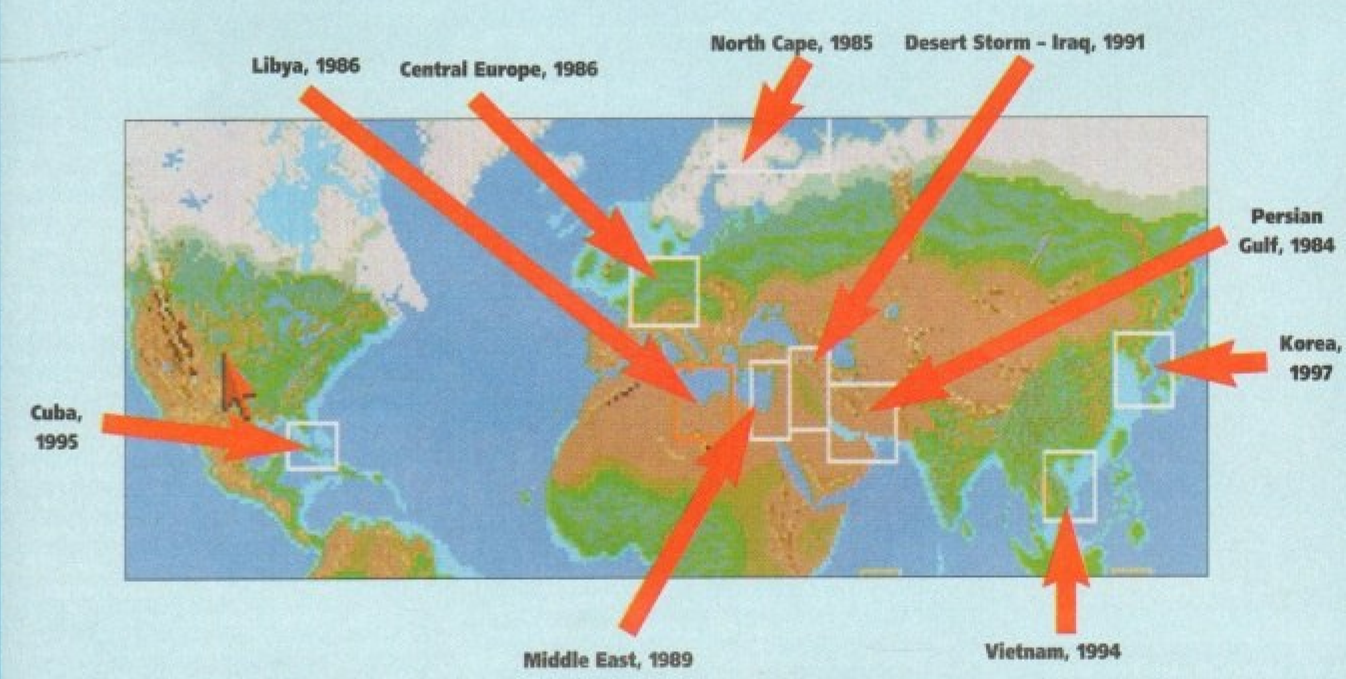
Graphically the engine is reminiscent of Gunship 2000, which can't ever be a bad thing. The difference is that Stealth is a more polished product.

On a personal level, I prefer Gunship 2000, but that really is a slightly unfair comparison as it is the top sim on the Amiga. For Stealth to have even have entered the same runway as GS 2000 is saying a lot.

Stealth Fighter really is a quality product, and will thrill jet flight sim enthusiasts all over the globe. I suggest that all you budding fighter pilots don your cloak and stealthily step out to buy this excellent flight simulation.

SIMON CLAYS

Tread the boards in all these theatres of war



GAMER GOLD

VISION	8/10
AUDIO	7/10
DIFFICULTY	8/10
LASTABILITY	9/10

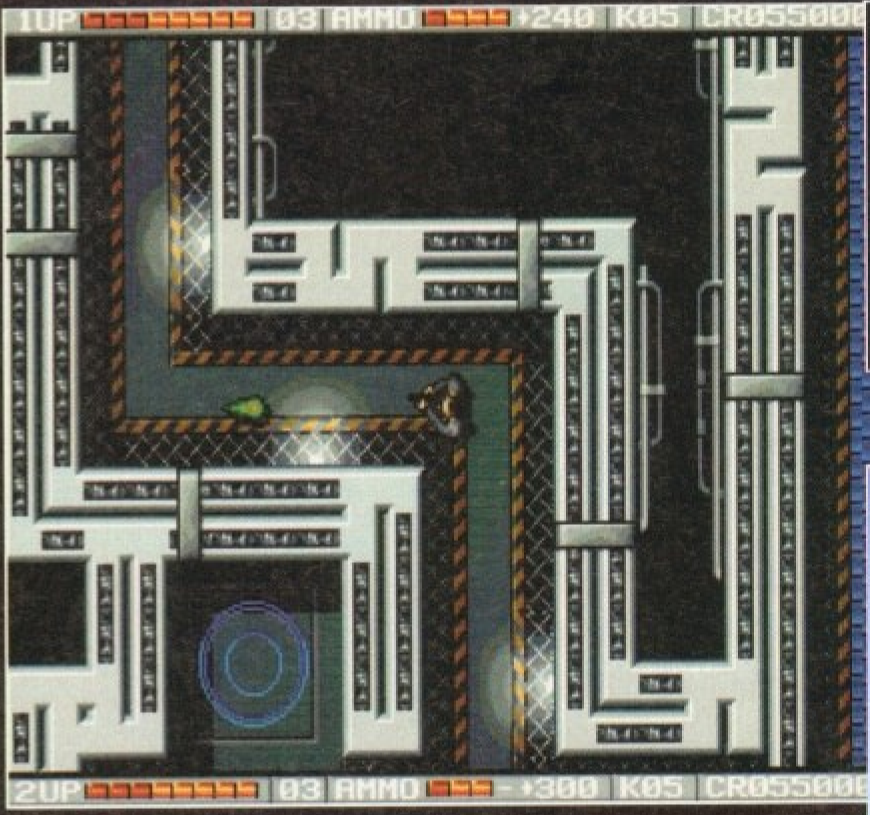
91%

Stealth Fighter is a quality game. The graphics and sound are first rate and the playability will keep you strapped up in your pilots seat for a good while.

Publisher ➤	MicroProse
Developer ➤	In-house
Disks ➤	3
Price ➤	£34.99
HD Install ➤	Yes
Size ➤	1 meg

ALIEN BREED II

Team 17 return with another feisty and atmospheric bout of frenetic alien blasting



You've entered the complex and it's time to make those alien beasties eat lead



The character selection screen. Choose the blokes or the Jurassic Park rejects!



The Intex 4000 shopping channel. Flame-throwers at reduced prices. Buy one today!

Everybody knows that Team 17 are one of the elite companies in the software business and I don't want to waffle on for ages about how good they are. They seem to know what the public want and provide it with amazing graphics, sound and playability slapped in there for good measure.

Alien Breed is still one of my favourite games ever, not least because it was a sneaky interactive rip-off of the film, *Aliens*, by James Cameron. One thing that was consistently present in the film was atmosphere, and luckily the film version did transmit successfully to the screen.

The original Team 17 blaster featured two marines called Johnson and Stone who ventured forth into a station called ISRC-4 which contained an Alien Breed. Johnson and Stone wandered through six massive and hugely challenging levels fighting aliens with all guns blazing.

Alien Breed was probably the first product to really set the Team 17 success ball rolling and proved to be an immensely popular with the games buying public. While everyone was eagerly awaiting the sequel, Team 17 did the unexpected and released a superior and enhanced version of Alien Breed at a budget price. Most companies wouldn't even dream of doing that, but Team 17 managed to hit the bull's eye and Alien Breed Special Edition has been at the top of the budget charts since November 1992, breaking the record for the longest stay at number one.

The Special Edition featured more action, more atmosphere, more gameplay, was a bigger game to boot and at only £10.99 has to be one of the best value for money games you can buy.

A masterstroke had been pulled by the lads and lasses from Wakefield, but the general public was gasping for the "proper" sequel and now after almost 22 months of desperate waiting it is here.

It's been nine long years since the first outbreak of aliens when Johnson and Stone crushed the invasion on a remote space research station.



Red Alert! One of our heroic marines legs it to the exit before the level explodes


One of those nicely drawn screens that connects the levels on the A1200. A500 owners will note a slight loss of colour on their version

The horror has temporarily ceased. Times have changed in many ways; the IPC has now grown and strengthened, mainly due to the alliance of the six major races in the Federation colonies.

Problems, it seems, are long gone and the Federation can look forward to indefinite peace. But Johnson and Stone who witnessed the terror of the aliens can still not rest easy.

FEDERATION COLONY

Federation Colony Alpha-Five, home of several hundred crew members, has been transmitting emergency signals for the past few hours. Federation HQ fears the worst and it's almost as if history is beginning to repeat itself.

The four strongest members of the IPC's marine force are called together, but just two will make the journey to FCA5 their mission brief unclear, but they know that the horror is about to continue.

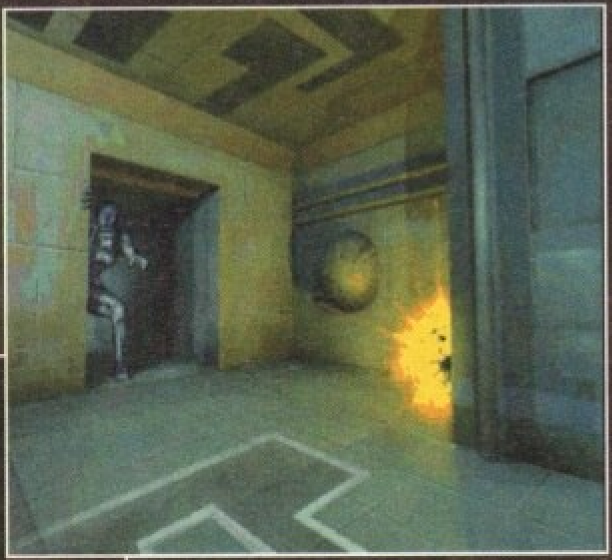
Yep, the scenario is similar to James Cameron's *Aliens*, but that isn't such a bad thing. The first new feature you come across is the introduction of new marines. You can choose which of the four IPC characters you want to play with.

Each one starts with different weapons and slightly different abilities, but you will have to find out what they are for yourself. Defaults are the old crew of Johnson and Stone, but you can





It's all go as one of the hard marines happens upon a chance to have a quick game of tag!



Smile for the camera Mr Alien and, err could you wipe that acid drool off your face...



A handy map that tells you where the terminals and places of interest are

now select Ruffertoo and Zollux.

Ruffertoo is an intelligent lizard lifeform while Zollux takes on the form of a tough war robot. You may find it best to experiment with combinations of characters that best suit your style of play before you start your mission properly.

When you begin the game, you are lowered by a Federation dropship onto the landing pad of the Alpha-5 base. Your mission will be as the brief outlined to you by the Federation before you start to kick alien ass.

With a silly inane grin spread across your face you decided to check out this second bout of Alien Breed tomfoolery. Starting outside the base you get the chance to boost up your supply of cash and keys while desperately trying to avoid the gunships and meteorites that fly overhead.

Finally you discover the exit and immediately tense up because you know in just a few seconds time it will be time to face the aliens once more.

Exploding onto the next level you are immediately faced with one of the rasping beasts Instinctively you grab your machine gun and plough a ton of lead into its disgusting alien body. One down and only thousands to go!

Wandering around the level you find that you can once more gain access to the Intex 4000 computer terminals. For those who don't know anything about Team 17's original alien blast-'em-up, the Intex 4000s were a source of supplies.

Once you've logged onto the computer network, you can order extra weaponry, key packs, ammo packs and such like. The weapons are available in three stages. Each is more powerful, but each stage uses up more ammo, so it's up to you which weapon you choose.

The Intex terminals also supply your marines with information on the current mission and gives access to the Info base which is a large source of information about the game. For the truly dedicated "breeders" out there there is the option of looking at your current statistics and status.

BRILLIANT

I had only played Alien Breed 2 for ten minutes and I already knew it was as good as its predecessor. It plays just as well as the original Alien Breed, and that is a good enough reason for me to pour superlative over superlative onto the sequel.

Alien Breed 2 is no better than or worse than the original product – it is just as brilliant. Obviously the graphics and sound are better than those seen in the first game a couple of years ago.

I could grumble and whinge about the fact that the sequel's graphics don't seem to be as dark and moody, and thus are not quite as atmospheric as those from the original.

But that's not to say that they don't look exquisite though, especially in the A1200 and A4000 versions of the game. The A500 does suffer slightly from colour loss, but nothing that's noticeable straight away.

The static screens in the A1200/A4000 are far superior to the A500s, but its all rather superficial as you're normally too busy rummaging through the levels blasting aliens to take any notice of the static shots.

Alien Breed 2 features a more varied count of aliens and levels than its predecessor. In fact there are many new features, and it still retains that fresh feel of originality which captured the hearts of hungry little gamers a couple of years ago.

Any self-respecting Alien Breed fan will have already rushed down to the shops and bought this one, having had it on order for the last six months. The only gripe I have about Team 17's sequel is that it is bloody hard, but hey, that's probably just me being completely useless!

I don't need to tell you twice to buy Alien Breed 2 because it is so good. Fans of the original will fall deeply in love with it and want to have its children while newcomers will wonder why they ignored the first effort. The Teamies are going from strength to strength, and at the moment look completely unbeatable.

JONATHAN MADDOCK

GAMER GOLD



Here we destroy some brand new aliens

VISION
GGGGGGGGG

AUDIO
GGGGGGGG

DIFFICULTY
GGGGGGGGG

LASTABILITY
GGGGGGGGG

ALIEN BREED II is as the original with enhanced measures of graphics and sound bunged inthere for good measure. A classic and a must-buy.

92%

Publisher ➤	TEAM 17
Developer ➤	IN-HOUSE
Disks ➤	3
Price ➤	£25.99
HD Install ➤	No
Size ➤	2 meg

CYBERPUNKS

Blast away in Core Design's new shooter that features a trio of Manga inspired heroes...



Our three intrepid marines start their wonderful adventure. Wide-eyed cuteness ahoy!

Ever since the introduction of Akira to our television screens via the power of video, the world has apparently gone Manga crazy. These sophisticated and often violent "cartoons" are currently the hippest thing on sliced bread.

It seems that the game designers who created Cyberpunks for Core Design have caught the Manga bug. Cyberpunks looks like it has been heavily influenced by these dynamic Japanese films, especially when you take a squint at the game's characters.



If only all aliens were as cute as that then Ripley would never have had all that trouble

Raa, Bee and Gee are part of the 501st Cyber Assault Squad and they have to rampage through five action-packed missions in order to rid the universe of the toughest of alien enemies.

TELEPORT

Each mission consists of three to four levels with the option to teleport between decks. While fighting the alien beasties you can obtain weapon power-ups, force-field keys, smart bombs and time-distortion cubes to help you complete your quest.

Missions vary from investigating unknown power surges at the Sub Atomic Reactor Station to rescuing a top computer scientist at Space Lab Genesis 8 where there are hundreds of drooling alien life-forms.

Cyberpunks is fairly unique because you control three characters all at the same time.



The three Cyberpunks try their best to look 'ard as they travel to the next level

Sometimes it makes life easier, sometimes harder and that is what makes this blast-'em-up work.

The best way I can describe Cyberpunks is by calling it Alien Breed for kids. The game would definitely appeal to the younger gamer although older users with a taste for this kind of thing might fancy a dabble.

As I mentioned at the beginning, the graphics have been highly influenced by Manga and this tends to give the game a cartoony feel.

Cyberpunks is a fairly competent blaster and the ability to control three characters is a nice touch that makes it stand out in a crowd. Younger gamers will be more than happy with Core's shooter, but older gamers might want to think twice before buying.

JONATHAN MADDOCK

VISION
GGGGGGGG●●

AUDIO
GGGGGG●●●●

DIFFICULTY
GGGGGGG●●●

LASTABILITY
GGGGGGG●●●

Cyberpunks is a fairly unique blaster with a Manga-esque feel to it, but it is more suited to the younger gamer. **70%**

Publisher ➤	Core Designs
Developer ➤	Dinamic
Disks ➤	1
Price ➤	£25.99
HD Install ➤	No
Size ➤	½ meg

JET STRIKE

GAMER GOLD

Alternative go up tiddly up with their latest flight game

Whenever "flight" games are mentioned in passing conversation, you immediately thinkof MicroProse and their ubiquitous collection of flight simulations.

I don't suppose it ever dawned on anyone to make an arcade "flight" game. The only decent one I can think of was the fantastic PD software that called itself Bip.

Rasputin Software have seen this gap in the flight market and created Jet Strike, a plane game with a difference. In Rasputin's flight of fancy you must stop the devious SPUDD forces by attacking them with your, ahem "borrowed" aircraft.



Here is the plane selection screen. Choose one from 40 including the fire-breathing dragon

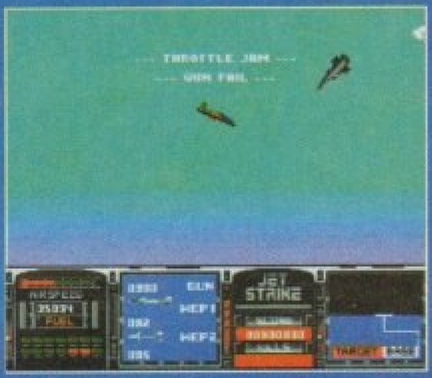
Your commanding officer will give you a mission objective which you have to achieve without dying. Simple? Hmm, not very. First of all you have to learn how to fly the aircraft; this is not an easy task and one which you must persevere with.

Pushing the joystick up rotates the aircraft anti-clockwise while pulling down rotates it clockwise. This system sounds a little strange at first, but once learned it allows you to control the aircraft with an amazing degree of accuracy.

There are over 135 missions and you get a choice of 40 different aircraft (including the surreal dragon option) to fly in them. All the missions demand a balance between both skill and tactics to complete. Jet Strike is a unbelievably big game and the game's creators reckon that it will take an average player many months to work through all the combat missions.

Just like Bip there is a two-player option in the form of an Aerolympics competition. This lets you and a chum to take it in turns to fly ten aeronautical test against the clock. The aim is to get more points than your opponent and this is achieved by doing the tests quicker and, err having the ability not to crash!

Jet Strike is an original piece of software and one I would heartily recommend to any gamer. The control system is difficult, but Rome wasn't built in a day, so you should be able to put up with it.



All together now! Those magnificent men in their flying machin...

The graphics are really cool; although they're quite small they are wonderfully detailed. If you're looking for something a bit different this month then take a quick squint at Jet Strike you won't regret it.

JONATHAN MADDOCK

VISION
GGGGGGGGG●

AUDIO
GGGGGGGG●●

DIFFICULTY
GGGGGGG●●●

LASTABILITY
GGGGGGGGG●

Hard to control at first, but perseverance will reap rewards. Nice graphics and it is great fun to play. Buy it! **90%**

Publisher ➤	Alternative S/ware
Developer ➤	Rasputin Software
Disks ➤	2
Price ➤	£25.99
HD Install ➤	Yes
Size ➤	½ meg

SOFTWARE ENTERTAINMENT XTRA VALUE

KING SOFT

0582 485868 OR 0582 486968

CD32	PRICE
AKIRA	£18.00
ALFRED CHICKEN	£19.50
ALIEN BREED SPECIAL ED.	£9.50
DENIS	£16.50
D/GENERATION	£18.00
F17	£9.50
JAMES POND 2	£18.50
JURASSIC PARK	£22.50
LEGACY OF SORASIL	£16.50
LIBERATION	£22.50
MORPH	£19.00
PINBALL FANTASIES	£21.00
TFX	£22.00
PROJECT X	£9.50
RYDER CUP	£19.00
SLEEP WALKER	£19.00
TROOLS	£19.00
URIDIUM 2	£16.00
ZOOL	£19.00

EDUCATION	
ADI ENGLISH (11+)(12+) (14+)	£16.50
ADI FRENCH (11+)(12+) (13+)	£16.50
ADI JUNIOR COUNTING (4+) (6+)	£13.00
ADI JUNIOR READING (4+) (6+)	£13.00
FUN SCHOOL 2 (2+)(6+)	£5.50
FUN SCHOOL 3 (2+)(5+) (7+)	£13.00
FUN SCHOOL 4 (2+)(5+) (7+)	£16.00
FUN SCHOOL SPELLING (7+)	£16.50
NODDY'S BIG ADVENTURE (3+)	£16.00
NODDY'S PLAYTIME (3+)	£16.00
MERLIN'S MATHS	£16.50

GAMES	
ALFRED CHICKEN	£16.50
ALIEN BREED 2	£17.00
AMOS PROFESSIONAL	£32.00
APOCALYPSE	£16.50
B-17 FLYING FORTRESS	£22.50
BATMAN RETURNS	£16.00
BATTLE ISLE 93	£16.50
BLADE OF DESTINY	£22.50
BLASTAR	£16.50
BLOB	16.50
BODY BLOWS	£17.00
BODY BLOWS GALACTIC	£17.00
BOBS BAD DAY	£16.50
BRUTAL FOOTBAL	£16.50
BURNING RUBBER	£16.50
CARDIAXX	£6.50
CASTLES 2	£19.50
CHAMPIONSHIP MANAGER 94 SEASON	£6.55
CHAOS ENGINE	£16.50
CIVILIZATION	£25.50
COMBAT CLASSICS 2	£19.00
COMBAT AIR PATROL	£19.00
CYBER PUNKS	£16.50
DARKSEED	£22.50
DENIS	£16.50
DESERT STRIKE	£19.00
DIGGERS	£22.50
DOGFIGHT	£22.50
DONK	£19.00
DRACULA	£19.00
DUNE 2	£19.50
F117A NIGHTHAWK	£22.50
F17 CHALLENGE	£8.50
FLASHBACK	£19.50
FRONTIER ELITE 2	£19.00
GOBLINS	£22.50
GOAL	£13.00
GULP	£18.00
GRAHAM GOOCH	£19.00
GUNSHIP 2000	£22.50
HERO QUEST	£6.50
HIRED GUNS	£22.50
HISTORY LINE	£22.50
ISHAR 2	£19.00
JURASSIC PARK	£16.50
K-240	£19.00
KINGMAKER	£22.50
KNIGHTS OF THE SKY	£22.50
LEMMINGS 2	£19.00
LEGACY OF SORASIL	£16.50
LOOM	£9.50
LOST VIKINGS	£19.00
MANIAC MANSIONS	£8.50
MEAN ARENAS	£16.50
MICRO MACHINES	£17.00
MONOPOLY	£13.00
MORPH	£16.50
MORTAL KOMBAT	£19.00
ONE STEP BEYOND	£13.00
PIRATES	£8.50
PRIME MOVER	£19.00
PROJECT X	£8.50
QWAK	£8.50
REACH FOR THE SKIES	£19.50
SHADOW WORLDS	£6.50
SOCCER KID	£19.00
SPACE HULK	£22.50
SPACE LEGENDS	£19.00
STAR TREK 25TH ANNIVERSARY	£22.50
SYNDICATE	£22.50
TERMINATOR 2	£20.00
THEATRE OF DEATH	£19.00
THE PATRICIAN	£21.00
TORNADO	£22.50
TWYLIGHT 2000	£22.50
URIDIUM 2	£16.50
WALKER	£19.00
WAR IN THE GULF	£19.00
WONDERDOG	£20.00
WOODY'S WORLD	£16.50
YO JO	£16.50
ZOOL 2	£16.50
XMAS LEMMINGS	£11.50

HARDWARE	
AMINET	£53.00
EXTERNAL 1.76MB FLOPPY	£99.00
MEGLOSOUD SAMPLER D2D	£30.00
MINIGEN L500 GENLOCK	£60.00
ROMBO VIDI 12 DIGITIZER	£85.00
VIDEO BACKUP SYSTEM	£55.00

JOYSTICKS	
CHEETAH BUG GREEN	£9.50
CHEETAH BUG BLACK	£9.50
MAVERICK	£10.50
SPEEDKING ANALOGUE	£9.50
SPEEDKING AUTOFIRE	£8.50
ZIPSTICK	£9.50

UTILITIES	
ASDG	
ART DEPT PRO V2.3	£150.00
MORPH PLUS	£150.00
BLUE RIBBON	
BARS & PIPES	£220.00
MULTIMEDIA KIT	£35.00
PATCHMEISTER	£62.00
SUPERJAM V1.1+	£83.00
COMPLEX	
GB ROUTE PLUS	£38.00
DIGITA	
WORDWORTH 2.0 AGA	£95.00
ELECTRONIC ARTS	
DELUXE MUSIC CONST KIT V2	£75.00
DELUXE PAINT 4.5 AGA	£80.00
GOLD DISK	
PROFESSIONAL PAGE V4	£90.00
EXPERT DRAW	£45.00
INNOVATRONICS	
CANDO 2	£110.00
INNOVISION	
BTROADCAST TITLER 2	£245.00
SOFTLOGIK	
ART EXPRESSIONS	£145.00
PAGESTREAMV2.22 INC FONT	£85.00
SOFTWOOD	
FINAL COPY II UK	£85.00
QUASAR	
PC TASK V.2	£40.00
VIRTUAL REALITY LABS	
DISTANT SUNS V4.2	£45.00
VISTA PRO V3.0	£55.00

'DON'T FORGET' - IF IT ISN'T LISTED, PLEASE ASK!

OPEN 6 DAYS A WEEK 8AM TO 8PM

24 HOUR ANSWER PHONE 0582 - 28921

NAME

ADDRESS

POSTCODE

ITEM PRICE

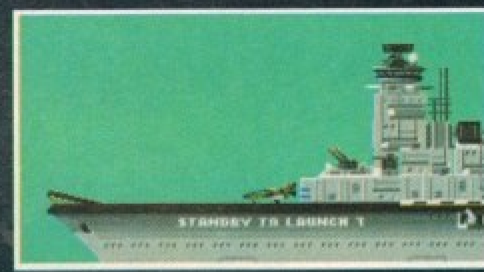
ITEM PRICE

ACCESS / VISA CARD NUMBER

CARD EXPIRY DATE / SIGNATURE

CHEQUES PAYABLE TO KINGSOFT 11A KING STREET, LUTON, BEDS LU1 2DW

PC Home 1293 Delivery is £2 per item (PLEASE ENCLOSE A SEPARATE SHEET FOR FURTHER ITEMS



Fasten your seat belts and get ready to fly



Seek out and destroy the forces of SPUDD!



JETSTRIKE

DATELINE: **THE NEAR FUTURE**

MISSION BRIEFING:

Intelligence reports are being received that a renegade organisation, SPUDD is massing its forces ready to attempt word domination. Only an underground task force can save the day. Are you ready to become a part of that underground taskforce? Which of the 40 aircraft will you choose as you fly 100 sorties across the world against the forces of SPUDD? The civilised world anxiously awaits your decision!

Available for the Amiga
PC version coming soon

RASPUTIN

38/40 High Street, Green Street Green
Orpington, Kent BR6 6BJ Tel: Int +44 (0) 689 850770

© Rasputin Software 1993 Rasputin Software is a trading subsidiary of Power Label Limited

Phantom



This uncanny chappie exists as an individual energy mass and subsequently is a tad tricky to pin down. Expect a lot of flitting around and some pretty lethal orb-type weapons as part of his repertoire.

Inferno



Comes from the hot side of the world of Eclipse and is a fiery kettle of fish. Among his talents are the ability to throw the deadly Heatseeker and burn you with a spinning flame.

Dan



Dan the man is obviously from Earth. If you don't remember him from the first title let me tell you that he's pretty adept in the skills of the Orient. He also has a pretty nifty trick with an energy bolt.

Lazar



Lazar is from the most techie planet of them all, and subsequently has a lot of electronic wizardry at his disposal. Ranging from the high-powered laser beam through to the Lightning Strike, messing with him could give you a nasty shock.



Warra

Hailing from the planet Eclipse, Warra lives on the side of the planet which is totally immersed in darkness and cold. A pretty tough cookie, Warra can give you the cold shoulder and inflict the big freeze.



Dragon

Dragon also hails from the planet Gellorn-5. A massive and rather sluggish character, he can take a hell of a battering and can also inflict a great deal of pain.



Dino

A sentient being who comes from the planet Gellorn-5. Unusually enough this planet is at an infantile stage of development, hence it is populated by dinosaurs. Dino comes equipped with a deadly little friend who has a nasty nip.



Puppet

An occupant of the planet Miasma, puppet is no soft toy. His malleable joints make him a very pliable bundle of wood and strings. His Disarmer and locomotion weapons are particularly lethal.

GAMER GOLD

BODY BLOWS

Biff, Sock, Pow and Soy. After a long break on holiday on the Cote d'Azur, the Steven Seagal and Jean-Claude Van Damme of the games world take on a universal challenge

When the original Body Blows hit the Amiga it was met with great critical acclaim. In every department it out-punched, jabbed and kicked its rivals.

It left both of the Streetfighter conversions totally gobsmacked and floundering in a corner with the proverbial split lip. Body Blows had everything that the overrated coin-op lacked – in a word, playability. While SF2 boasted neat graphics it had little else. Pound for pound, when the two met in the ring Body Blows out-gunned it in every department.

The two main characters in Body Blows, Dan and Junior, having totally destroyed and defeated the Evil Max and his band of nasty cohorts, retired to the South of France.

After about a year, Dan and Junior were sitting on a sun-kissed beach reflecting their lot. A year of self abuse, 12 months of hard drinking, 365 days of womanising in the sun...

Sitting around a table that has become a parasoled paragon to abuse, they neck the dregs of another *Bier Blonde*.

Only daring to glimpse out of the corner of one sorry eye at flabby pectorals and redundant calves, both reach the sad conclusion that in the time it has taken for the sun to rotate around the planet, they have become slobs.

But, it's so difficult to be motivated by anything short of blasting the cartilage out of your nostrils when you've defeated a whole world's worth of evil.

What to do to generate enough interest in life? What greater challenge can be met and overcome? There just aren't any, well not on terra firma.

Then it hits them in one almighty powdered cloud. They must fight the roughest and toughest aliens, creatures and humanoids throughout the known and unknown galaxy.

To you and I this must seem like a little bit of a far-fetched idea to reach, but we only get two or three weeks of lilo-lying and infra red indulgence to combat. These guys have been at it for a good year, so the conclusion they reach is probably the most natural.

I'm also at odds to discover how one goes about arranging an inter-galactic bout of fisti-cuffs, but ours is not to reason why. Just hassle Team 17 for not being bothered to worry about the plot and to have concentrated on first-rate play instead (woh, hold your horses and tell 'em the plot –ed).

Anyway, take it for granted that Dan and Junior somehow manage to get through to all the inter-galactic punters via the international operator and set up the competition.

After that they both embark on a "my body is a temple" routine. Using the infamous Bullworker and Charles Atlas body map, they make a steady return to their dynamic best.

With the competition set up the rest is down to you bunch of joystick-waggling punters. Incidentally, a few of the facts I've taken the liberty of including you may not find detailed in Team 17's manual, but hey, what's a little artistic licence between reader and writer?

The first thing to say about BB Galactic is that it comes in two versions. There is the standard A500 version which will run on just about any Amiga known to mankind, and there's the A1200 AGA chipset version. This enhanced version doesn'





Spot the difference

The frame on the left comes from the A500, and the one on the right is the enhanced A1200 version. Can you spot the difference? Answers on a postcard to: Dumb compo with no prize, at the usual address





Kai-Ti



This most ravishing chick hails from the planet Feminion. This is a world totally populated by women, and although I don't know exactly if they all look like her, it can't be that bad. Kai-Ti is a lovely mover, is extremely agile and supple... and I love her.

Junior



This champion boxer is also from the planet Earth. A real tough nut with some deadly moves. As well as all the standard moves, he can blitz with a series of jabs or deliver the punishing Fists of Fury.

Tekno



Another inhabitant of the planet Titanica, Tekno is probably the most advanced being in the game. He has a lethal weapon in the Thundershot and an excellent grabbing technique with the Power Pull.

Azona



The rock chick of the crew, this moshing extra from a Mad Max movie is also from the planet Titanica. Equipped with a hover-board, she has some naff albums and a bullet-belt.

GALACTIC

really differ playwise, but does feature extra colours on the backdrops, better quality music and souped-up sound effects.

All of the action takes place over six different planets. Each planet is the host to two different champions. Each different planet, apart from Earth, has an environment which reflects the attributes of those inhabitants.

For example, the planet Titanica is the most technologically advanced, and the two guardians of the planet are Tekno and Lazar.

Now, there are a variety of ways to play Galactic. In one-player mode, having chosen the character that takes your fancy, you journey from world to world in an attempt to defeat each computer-controlled character.

In two-player mode you both choose a character and select a planet to fight it out. You can even hot things up to a higher temperature by selecting the same character, so you both have exactly the same moves.

There's also a tournament mode which allows a greater number of your mates to battle it out in a league affair. You can also change the amount of time you compete for, the number of rounds you fight for and the rather interesting Mercy option.

In Mercy mode your opponent will leave you alone if you take a big shot on the chin and need a breather. On the contrary, leaving Mercy off means that when you're down and winded your opponent will come steaming in for the kill.

On the character front, there's a very interesting selection for you to get to grips with. Rather than the normal selection of martial arts experts and kick-boxing freaks, in BB Galactic the choice is much more varied.

Of course, Dan and Junior are versed in these particular skills, but the other characters are different altogether. There are robots, dinosaurs, puppets and all forms of elementals.

However, the most amazing character in Galactic must be the stunning Kai-Ti. This woman must surely be the most perfectly pert set of pixels I have ever seen on a home computer. Not only is she beautiful, but she is also as deadly as a female black widow, with some absolutely devastating moves.

Speaking of moves, each character comes equipped with 20 different moves, blocks and damage-inflicting blows. These are arrived at through a variety of joystick movements and button presses. Each character's moves have been designed to suit the particular personality. Some are more obvious than others; for example, Tekno the robot has such things as thrusters and missiles, whereas inferno can tumble into a heatspin or throw a fireball at you.



It grieves me in some ways to say that BB Galactic is brilliant. The first reason is that it's getting slightly annoying that the 17's keep on churning out benchmark products without a slip-up at all.

Secondly I've always been in a slight turmoil with games that are so blatantly physically violent. It's not that I don't appreciate the fact that most games feature the player inflicting some form of punishment on something, even in the cutesy titles. It's just that in the beat-'em-up category this is taken to the nth degree.

However, for all the moralising it has to be said that Body Blows Galactic is brilliant. The graphics are smooth and beautifully executed, the sound effects beefy, and most importantly the play is compulsively addictive.

The one-player option is pretty good fun, as you take on the might of the computer. However this pales into the shade in comparison to the two-player option.

It's brilliant fun watching a friend take an almighty blow to the skull as you sock him between the teeth with your special weapon. Quite honestly, Body Blows Galactic is the best beat-'em-up ever to be inserted into the drive of an Amiga. OK, so its older brother Body Blows, and IK+ were both pretty hot, but Body Blows Galactic takes the title. Please, take my advice and visit your software emporium now.

SIMON CLAYS



Forget Inferno, I should like to get hot with Kai-Ti



Soy! Big Trouble in Little China in a kind of watery way



Bang! Junior strikes another blow for freedom, democracy and err... it feels good

Rating	Score
VISION	9/10
AUDIO	8/10
DIFFICULTY	8/10
LASTABILITY	8/10

This game is going to go down as the best beat-'em-up of '93. It's an all kicking, all punching, piece of powered-up perfection. Make your best special move and buy it.

93%

Publisher ➤	Electronic Arts
Developer ➤	Dinamic
Disks ➤	1
Price ➤	£25.99
HD Install ➤	No
Size ➤	1 meg



In the first of a two-part feature, *Gamer* talks to some of Millennium's top bods and takes a look at Pinkie, a new platformer set to make heads turn

INTO THE NEXT

Michael Hayward • managing director

GAMER *How and why did Millennium first start up in business?*

Millennium started up four and a half years ago through a management buyout of the entertainment division of Logotron Ltd, an educational software company.

The three principal directors of the company, Ian Saunter, Henry Elliot and myself were excited about the prospects in the computer and video games industry. This decision has proved to be hard work, great fun and profitable for us all and we wouldn't want to do anything else.

GAMER *What were the early days like when competing with industry giants such as Ocean, US Gold and Psygnosis?*

We have never been concerned with the competition and what they are doing. If we were we would not be able to produce original games such as Pond, Pinkie, Diggers, Brutal Sports etc.

GAMER *Games-wise, what was the big breakthrough for Millennium?*

James Pond 2 was the big break that we needed. It has now sold over one million copies on all formats and gave us the confidence to go on to produce the offerings that we have lined up for 94 and beyond.

GAMER *With what do you attribute to the popularity of the James Pond series of games?*

Everyone knows what a secret agent is about so it was easy for people to relate to Pond as a character. He is well animated – particularly in Pond 3 where there are over 130 animation frames, this brings out the adaptability of Pond and allows us to participate in his efforts and humour as a super hero.

I think that it is important that Pond always has a special property – in Pond 2 he could stretch using his extendosuit and was able to run fast, in Pond 3 he can walk upside-down run twice as fast and uses many novel vehicles. This adds to his appeal as the small, brave agent working against seemingly impossible odds.

GAMER *Millennium was the first company to enter into the CD32 market. What was the reason behind this move?*

We think that the Amiga market is essential to the growth of the computer and video games industry. Because there is such a good strong base of Amigas in the UK we have a strong culture of very able programmers. That is one of the reasons that the UK is prominent in the world of software development.

The CD32 is a well received development from Commodore – the hardware is powerful and the added CD facility allows us as developers to explore new ways of delivering our titles to the marketplace. I do not know whether CD technology will become the standard as the access times of the game cartridge is much quicker than any known CD technology at the moment and speed is an essential part of game development.

GAMER *How risky is it to move into new markets such as the new CD platform?*

It's only risky if you do not know what you are doing. It would be easy to get carried away and invest in live action, model building and cell animation in the belief that this were where the future lies. We have opted to invest in sound, animation and rendered graphics. This involves a great deal more cost, but as we are only concentrating on these areas we have a smaller learning curve than by trying to do everything. We are currently investing in some state-of-the-art rendering workstations which will improve our productivity tenfold in the coming year on our rendering projects.

GAMER *Are you surprised that other companies haven't got their products out on the CD32 yet?*

No. There are so many platforms in the marketplace at the moment with new systems to be introduced in 94 and 95. In order to be successful it is



"We want to be a world leader in entertainment software development – just watch this space!"
– Michael Hayward, Millennium MD

important to concentrate on what you can cope with at any one time. We have been writing "legal" operating system code for the new Amiga chip set and it was not a big deal to move onto the CD32.

Other publishers who wrote straight to the Amiga hardware have obviously experienced a new learning curve so naturally it has taken them some time to get up to speed with CD32.

GAMER *How do you rate the standard of your competitors?*

The competition is getting tougher all the time, there are so many good games now being produced it raises the stakes every time we develop a new title. This is good for our customers and for the industry as a whole.

GAMER *What is the future of computer gaming?*

The next two years are going to be very interesting. There are several new hardware platforms slated, Sega Saturn, Nintendo 64-bit, Sony CD, 3DO and a new and more powerful CD32.

The added power of the new systems will allow us to produce bigger and better games designed for a broader audience. I say this as I assume that the traditional market will extend from the bedroom to the living room and more people in each household will become interested in what we have to offer.

One thing that is important to keep in mind though is good old-fashioned gameplay. It is all too easy to produce some flashy visual effects with these new hardware platforms and to forget what the gaming experience is all about.

GAMER *Where and how do Millennium see themselves involved in that future?*

We want to be a world leader in entertainment software development. We are investing heavily in our development department and have some truly amazing products in development – just watch this space!

GAMER *What is your philosophy as regards product placement and marketing?*

It is important for our trade customers to know that Millennium is a good label that produces high quality products which sell. So at that level it is important for us to have a good profile.

As far as our customers are concerned the label is of secondary importance – the products themselves and our characters are the heroes. Does it make any difference to someone who wants to buy the latest Michael Jackson album what the record label is?

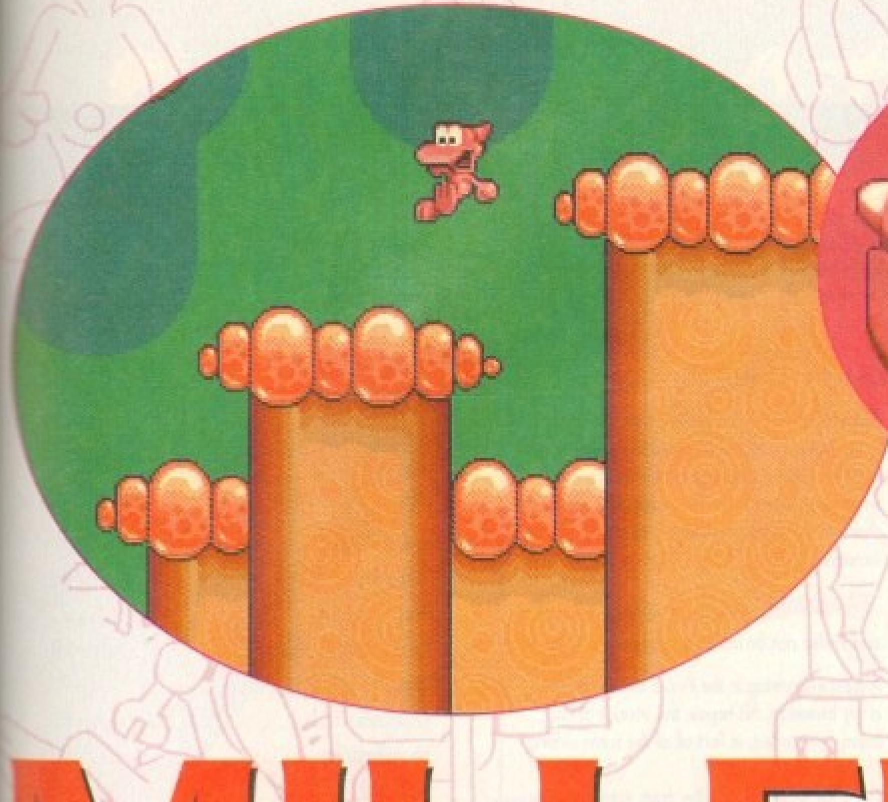
It is very important that James Pond, Pinkie, Brutal Sports Football and other Millennium brands have a high profile and that our customers know who they are and what they stand for. We spend a great deal of time and effort to promote our titles and as the market develops this investment becomes greater.

GAMER *What is your favourite Millennium game and why?*

My favourite has to be James Pond 3. Two years in the making it is very different to both of the previous games. All of the code, maps and graphics are new. In Pond 3 we set out to produce the ultimate platform game.

There are over 100 massive levels with over 65 enemies. The story line is essential to the game with dialogue boxes appearing at key moments to give the player feedback and clues. Pond is bigger, he has a girlfriend Angelfish and a new sidekick – Finnius. There are literally hundreds of secret rooms, chambers and blocks to discover.

There are several ways to complete the game so the player will not have to map his way through [it] in a linear fashion. Even our game testers who had been playing the game day in and day out for weeks were consistently discovering new features. It is a game that you can keep coming back to for more and more.







MILLENNIUM

Keith Smith - PR manager

GAMER *Why do you think that James Pond and Robocod sold so well across all the computer/console formats?*

He has become a legend. The first game was cleverly marketed and did not overexpose James Pond. The games always relied upon the gameplay and not the character. Anybody can trot out "cutesy" characters that are running on a standard platform engine. Each James Pond release has offered tremendous value for money and intense playability.

GAMER *James Pond is probably one of the oldest and best-loved Amiga characters. Why do you think he is so popular?*

He is so popular because he gave the Amiga a character that owners could call their own. The games have gone through several facelifts for owners of different hardware, for example, the A1200 version of Robocod was significantly enhanced to show off the equipment.

The CD32 version included animation and had an interactive book. James Pond has always offered great value for money on the Amiga that console players would not get.

GAMER *How will James Pond 3 be different from the first two games?*

JP3 is radically different. It follows on from Robocod through the use of cell animation and takes Pond to the moon. Dr Maybe is mining the planet for its rich dairy product reserves and has kidnapped two F.I.5.H. agents. The main sprite is so much more animated and can run faster than any other game character, punch, pick objects up and throw them, run upside down and use the many new weird pick ups in a game with over 100 levels.

It is huge and will take most players at least a couple of weeks to complete. We are also giving owners the F.I.5.Hpack free of charge. That alone is worth £9.99.

GAMER *The animation used for the CD32 release of Robocod was very impressive. Will we be seeing more of this in Pond 3?*

Yes. The animation is a great link between Robocod and JP3 and will appear on the CD32 version to coincide with the release of Commodore's FMV (Full Motion Video) card.

GAMER *How do you see the Amiga market progressing? Will CD technology slowly become the standard platform for games?*

I used to work in the video industry and it doesn't take a rocket scientist to work out that, being a linear format, video does not allow you to skip around programmes and interact with it.

The major Hollywood studios are all developing CD products and I will put my neck on the line and say that it won't be too long before you will be able to buy the film, the book, the soundtrack and the game all on one format and played through one machine. CD offers us, as developers, so much more flexibility. We are developing projects currently that will be a mix of animation, film and computer-generated graphics giving players an amazing amount of gameplay that floppy formats and cartridges cannot offer.

GAMER *How hard or easy is it to market a character like James Pond?*

Marketing James Pond is always slightly difficult because he's never around when you want him. Obviously, the fact that every game is better than the previous one helps because people know that he is dependable and offers great entertainment.

However, we never rest on our laurels and are always working on the profile. We have to bear that in mind when we license him to different formats that companies such as Ocean and Electronic Arts are buying a reputation as well as a great game.



"...there is a bright shiny four-inch wide and disc-like future for us all."
– Keith Smith, Millennium PR manager

GAMER *Do you think that Pond 3 will be a bigger seller than the incredibly popular Robocod?*

We certainly hope so! There is no reason why not. Robocod has now been licensed on 14 hardware platforms and has passed the one million unit mark. If Robocod can do it, Operation Starfish will.

GAMER *Mr Magoo is the first licensed game that Millennium will publish. Whose decision was it to publish a licensed game and why use Mr Magoo?*

If you look at the profile of Magoo especially in the States, he is one of the most recognised images, along with Coca-Cola and Elvis. He has always been a bumbling old fool who accidentally rights wrongs and talks to hat stands believing them to be policemen. He is the spokesman for General Electric, RCA, Timex and several other major US companies.

He has been in existence for nearly 45 years and is a household name throughout the world. Amblin entertainment (Steven Spielberg's company) are also producing a Magoo film which will help the awareness of him to games players.

We've always been on the lookout for good licences, but when Michael Hayward was approached by UPA he felt that this was too good to miss.

GAMER *Millennium were very eager to show their support for the CD32 by releasing Diggers, Robocod and Morph for Commodore's new machine. This is not normal behaviour for a company who can't afford to waste money, so why did you leap into this new market?*

Commodore had the bottle to go ahead with the first 32-bit CD console and when someone is that committed to a project, it's hard to refuse!

It was a sound business proposition, but if everyone sits on their hands and says "we'll wait and see if everyone jumps", then you end with one less innovative hardware company and no games for a project that should, in theory work.

At least we can say that we gave Commodore 110 per cent backing all the way to the launch, and you don't get respect if you don't try.

GAMER *What will the future be like, as far as computer games are concerned?*

As long as we can prove to the powers that be that we can police ourselves and we don't let the porn merchants succeed, then there is a bright shiny four-inch wide and disc-like future for us all. One thing that affected the video industry was by allowing it to be manipulated by the pornographers and schlock merchants.

Everyone then associated the two and the slide began. Only now is it beginning to reclaim lost ground through a more respectable image and after monumental losses of revenue.

GAMER *What part will Millennium play in the future of computer games?*

Millennium will always play an active role in the industry, producing truly innovative games using the most up to date technology worked by some of the UK's best programmers and artists. So there!

GAMER *Will 1994 be the year of Millennium?*

I think we've had a pretty good run this far. Millennium has experienced considerable growth in some of the toughest conditions through tight management while retaining the independence to move with the market.

1994, however, will see some of the best ever Millennium games, that we think people want to play. We all enjoy playing games here and hope that everyone enjoys our games as much as we do!

Mark Rafter – art director

GAMER *What is your background as far as art and animation goes?*

I studied at the Royal College of Art, doing a BA and MA in painting. After this I did a further course in Design at the London College of Printing. After that I worked in animation for three years on feature films and TV.

GAMER *It's very unusual for a company to have a specific art department. Why have Millennium leaped into the world of animation?*

As far as I know, having a specific art department is unusual, but with the demand for better graphics and animation, it's got to be a good thing.

GAMER *What are the advantages of having a full-time art department?*

Someone is always at hand to offer solutions to design and graphic problems as they arise.

> "...as far as animation is concerned, yes, the sky's the limit"
> – Mark Rafters, Millennium art director

GAMER *Lengthy high-class animations will undoubtedly go hand in hand with the new CD technology. How will these attribute to the success of a game?*

Animated intros/outros on CD products enhance the game by expanding the storyline which gives the central character a past or a future. It's creating a whole world if you like, rather than just a game.

GAMER *How do you transmit your ideas from paper to pixel?*

Over the pixel artist's shoulder!

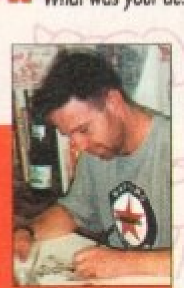
GAMER *What are the benefits of having a "real" artist work on a game rather than just a "pixel" artist on his/her own?*

I try to put a broader prospective into a game, the big picture; how one part relates to another, rather than just the detail.

GAMER *How involved do you get when working on a game?*

I try to get involved as much as I can with the look of each product, but as I have up to five or six different games to work on at any given time, I'm moving about quite a bit.

GAMER *What was your design brief for Pinkie?*



Pinkie already existed in the game, it was my job to storyboard the animated intro sequence; for this my brief was to show his background, where he came from, what makes him tick, his character, courage, cuteness, attitude and determination.

GAMER *How much of Pinkie's world and Pinkie can be attributed to you?*

Almost everything in the Pinkie intro animation is my invention, his house, the interior of his room, his garden, in fact all of the scene setting.

GAMER *How does the world of a software house differ from working in an animation studio?*

A lot of fun, I have more of a say creatively. I'm not just part of an impersonal machine.

GAMER *The graphical world' in Small Furry Creatures will be represented using works by some of the old masters. Why did you decide to use this kind of art?*

Small Furry Creatures (working title) is influenced by old master painting, but I felt the game needed a radical new look that would suit its storyline.

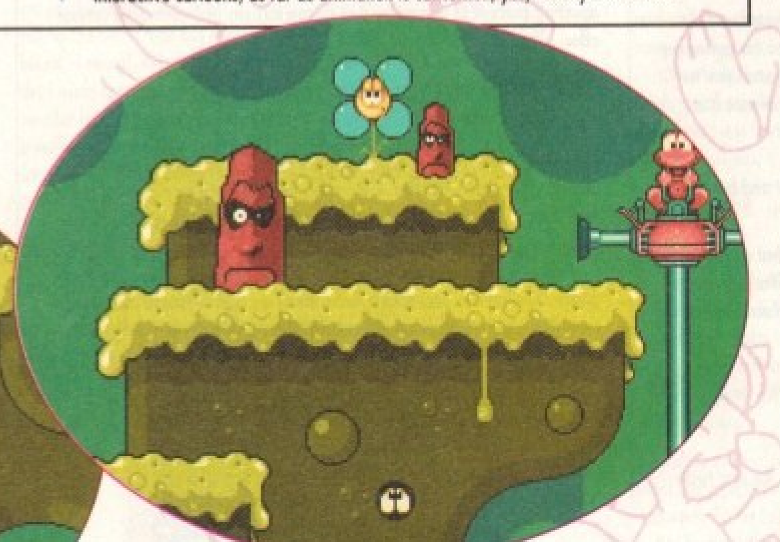
GAMER *In the future do you think that we will see games that will play and look like something from the Disney/Sullivan Bluth studios?*

I think games involving characters like James Pond and Pinkie will become more like interactive cartoons, as far as animation is concerned, yes, the sky's the limit.

Millennium softography

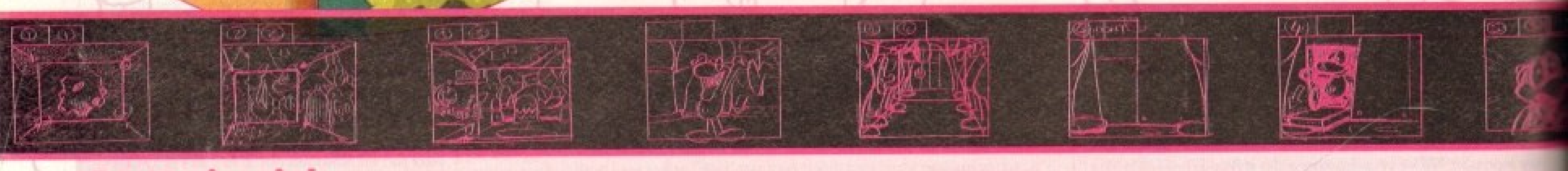
Title	Released
Xor	Jan 88
Quadralien	May 88
Sargon 3	May 88
StarRay	Oct 88
StarGoose	Dec 88
Prospector	Mar 89
Archipeligos	Apr 89
Eye of Horus	Nov 89
Starblaze	Nov 89
Bad Company	Jan 90
Kid Gloves	Mar 90
Cloud Kingdoms	Apr 90
Resolution 101	Jun 90
Thunderstrike	Aug 90
Yolanda	Sep 90
Manix	Oct 90
James Pond	Nov 90
Horror Zombies	Jan 91
Warlock	Feb 91
Moonshine Racers	Mar 91
Stormball	Apr 91
Robin Hood	Oct 91
Robocod	Nov 91
Kid Gloves 2	Mar 92
Steel Empire	Apr 92
Global Effect	May 92
Aquatic Games	Oct 92
Rome AD92	Nov 92
Morph	Jun 93
Robocod A1200	Jun 93
Robocod CD32	Sep 93
Diggers CD32	Sep 93
Brutal Sports Football	Nov 93
Morph CD32	Nov 93
Diggers A1200	Oct 93





In Part two...

We talk to top games designer Ian Saunter about Small Furry Creatures (working title), a revolutionary new piece of software involving the use of artificial intelligence. We also look at Mr Magoo and chat to Marcus Broom about Millennium's first licenced game.



Pretty in pink...

During our visit to Millennium it was almost impossible to walk anywhere without hearing, seeing or treading on something concerning this little pink chappie.

Pinkie is Millennium's great pink hope and it is envisaged that he'll be bigger than James Pond (no mean feat with over a million copies sold).

Although Pinkie is a platform hero, he is radically different to anything gamers will have seen before. For a start he has no special powers – he can't jump from a height and squash enemies or shoot things at them.

He can't run fast, climb high (allergic to altitude) or fire weapons. In fact, pinkie can't really do anything malicious because he's also allergic to pain (tell me about it) and despises violence.

But he is intelligent, thoughtful, inquisitive, gentle and most of all concerned. The plot will see Pinkie expressing his worry about the imminent demise of the dinosaurs throughout the universe.

So, he departs from his beautiful native planet Pink and sets off to secure dinosaur eggs and bring them to the sanctuary of the serene planet Pink.

Work is well on the way in Pinkie and already one can see the benefits of using a trained movie animator. His movements and characteristics are some of the best I've ever seen on any computer, home, arcade or otherwise. Pinkie also uses a most unusual colour scheme for its locations and backdrops. Although still in the development stage, they look gorgeous and you can tell the eye of an artist trained in colour has been employed.

Pinkie has secured licensing deals on seven other platforms. Pinkie looks as though he could be a major star for 94 and leave Millennium Interactive well and truly tickled pink.

FURY Of The FURRIES









Manual in English, Manuel en français, Handbuch auf deutsch, Manuale in italiano, Manual en español

Distributed By

MINDSCAPE

AVAILABLE FOR: PC & 100% COMPATIBLES, AMIGA, CD32

Published By

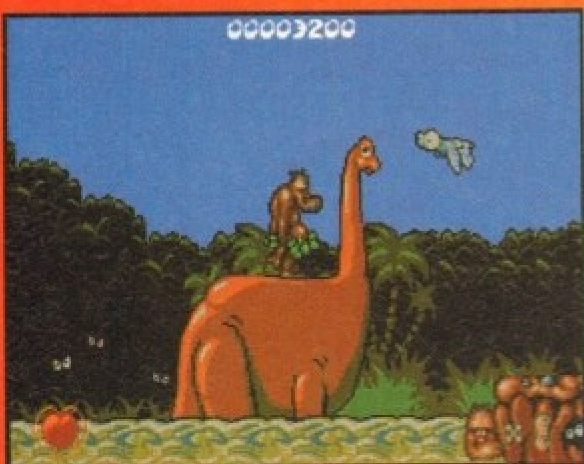
KALISTO

MINDSCAPE INTERNATIONAL LTD., PRIORITY HOUSE, CHARLES AVENUE,
MALTINGS PARK, BURGESS HILL, WEST SUSSEX RH15 9PQ TEL: 0444 246333 FAX: 0444 248996

© 1993 ATREID CONCEPT SA - TOUS DROITS RÉSERVÉS. TOUTES LES MARQUES ET MATÉRIELS CITÉS SONT DÉPOSÉS PAR LEURS PROPRIÉTAIRES RESPECTIFS.
© 1993 ATREID CONCEPT SA. ALL RIGHTS RESERVED. TRADEMARKS ARE ACKNOWLEDGED AS THE PROPERTY OF THEIR RESPECTIVE OWNERS.

The Cheap Seats

"Go past the buffet car, toilets, first class, second class, scum class and there you are". Yes, it's the Cheap Seats, and Tina the Train Driver ushers you into the Budget station!



Erm, Chuck's chin looks familiar. Not unlike a certain football commentator, wouldn't you agree?

Chuck Rock
Corkers • £9.99

GAMER GOLD

He's fat, he's hairy – no, it's not Danny Baker again, it's Chuck Rock and he's back via Core Design's new budget label, Corkers.

Well, as if you need reminding, the basic plot behind Chuck Rock is that Gary Gritter has kidnapped Chuck's wife, who promptly sets off through the neighbourhood to find her. Aah, true love, hey? (Or perhaps Chuck just has a fetish for wandering around in a green leaf skirt and thrusting his belly into small, furry animals...)

So, off he sets through five increasingly challenging levels of wacky animation to rescue his babe-ilicious wife Ophelia. The headbangin', belly-buttin' Chuck has to pit his wits against homing pterodactyls, flames and mudmen to name but a few, which he can belly butt, throw rocks at or kick. There are also some humorous end-of-level guardians who are nice and tricky.

If you missed this title last time around then it is a must. It is bigger than Chuck's belly and jam-packed full of superb animation with oodles of great gameplay. This is not to mention the great soundtrack and cartoony effects as well. Phew – what more could you ask for?



Parasol Stars
Hit Squad • £9.99

GAMER GOLD

Right, imagine the kind of torture you would have if you were trapped in a room with Heinz Beans' chief tasters, whose idea of fun was to listen to Agadoo continually while watching re-runs of the Bobby Davros *Rock with Laughter* show. This is the same degree of awfulness I thought I'd have to go through when I first started playing Parasol Stars. At first glance the graphics are garish and unimpressive, the tunes grating and there are no proper baddies to get your teeth into. But I plodded on and to my surprise – once I actually realised what was going on – I started enjoying the game.

This is the third in the series of Bub and Bob games, the aim this time being to defeat the monsters with your magic parasol, and thus free the universe. You get eight different worlds to explore for your £9.99 and can even take your friend along if you don't like playing alone. There's a bonus level and plenty of collectable objects such as magic shoes, power hearts and miracle icons.

How long the game will keep you amused is questionable but it is worth a look just for the unusual gameplay and strange choice of enemies, such as grand pianos, helicopters, and playing cards.



Oh dear, Bub is having a problem handling his parasol. Watch out for those buses



War Zone • Corkers • £9.99

Well, if you fancy a real Mission Impossible, this is the game for you. If your idea of fun is a shoot-em'-up where it is virtually impossible to avoid the enemies' bullets, and every time you pick up a decent weapon it is taken away again if you get hit, then go for it. But for us mere mortals this game leans heavily on the "yikes, this is too difficult!" side.

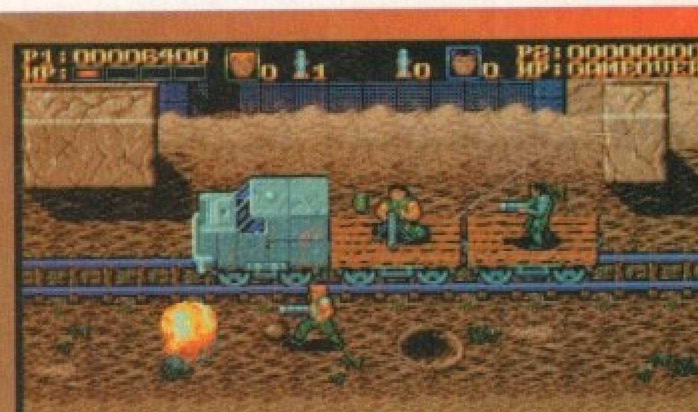
Visually it isn't bad, but if you like to see blood and guts splattered then you'll be disappointed, and some of the enemies when shot look more like they're playing paint ball then having just been obliterated by a flame-thrower.

There is a good selection of weapons to choose from which offer a good range of sound effects. Fun can be had in two-player mode where players need to develop a "cover my back"-type strategy, so beware if your comrade is the mean type who goes around trying to hog all the bonuses and upgrades which can be found.

The levels include warships, jungles, swamps and sewers, and there are different types of enemies, ranging from those that can be seen off by just one blast from your big weapon to those needing a more advanced method of elimination.

This is quite good little shoot-em'-up which is rather addictive but for most it will prove to be a bit of a tough customer.





Bet he drinks Carling Black Label....

Eagle Software

10% DISCOUNT ON ORDERS OVER £75* (EXCLUDES POSTAGE AND DISCS)

CREDIT CARD HOTLINE
081 889 9172
ENQUIRY/ORDER LINE
081 361 5730
24 HOUR FAX LINE
081 361 2733

118a Palmers Road
New Southgate
LONDON N11 1SL

BITMAP BROTHERS VOL 1 only £16.99 Xenon, Cadaver,and Speedball II	**DREAM TEAM only £16.99** Terminator II, Simpsons, W.W.F.	**LORDS OF POWER only £22.99** Silent Service II, Red Baron, Railroad Tycoon, Perfect General
SPACE LEGENDS only £19.99 Amiga only Megatraveller I, Elite, Wing Commader	**SOCCER MANIA only £11.99** Football Manager II, Gazza's Soccer, Football Manager-W.C. Edition, Microprose Soccer	**COMBAT CLASSICS II only £20.99** F19 Stealth Fighter, Silent Service II and Pacific Islands
BIG BOX only £15.99 Captain Blood, Tin Tin on the Moon, Safari Guns, Teenage Queen, Bubble Plus, Purple Saturn Days, Krypton Egg, Jumping Jackson, Bobo, Hostages	**TEST DRIVE II COLLECTION only £15.99** Muscle Cars, California Challenge, European Challenge, Duel, Super Cars	**BIG BOX II only £19.99** Back To The Future III, R-Type, IK+, Real Ghostbusters, Def of the Earth, TV Sports Football, Shanghai, Armalyte, Sinbad, Bomboozal
BOARD GENIUS only £17.99 Deluxe Monopoly, Deluxe Scrabble, Cluedo Master Detective and Risk	**4 WHEEL DRIVE only £19.99** Lotus Esprit, Celica GT4 Rally, Team Suzuki and Combo Racer	**POWER PACK only £14.99** Xenon 2, TV Sport Football, Bloodwych and Lombard Rally
HOLLYWOOD COLLECTION only £18.99 Robocop, Ghostbusters II Indiana Jones, Batman the Movie	**RAINBOW COLLECTION only £13.99** New Zealand Story, Bubble Bobble, Rainbow Islands	**COMBAT CLASSICS only £20.99** F15 Strike Eagle II, 688 Attack Sub and Team Yankee
TRIPLE PACK 1 (SPORTS) only £12.99 Microprose Soccer, Panza Kick Boxing, 3D Pool	**NINJA COLLECTION only £13.99** D.Dragon, Shadow Warrior, D.Ninja	**TRIPLE PACK II (ACTION) only £12.99** Streetfighter, Rick Dangerous II, Last Crusade Action
THE GREATEST only £19.99 Jimmy White's Whirlwind Snooker, Lure of the Temptress and Dune	**AWARD WINNERS only £16.99** Kick Off II, Pipemania, Space Ace and Populous	**2 HOT 2 HANDLE only £12.99** Golden Axe, Total Recall, Shadow Warrior, Super Off Road Racing
STRATEGY MASTER only £21.99 Deuteros, Populous, Hunter, Chessplayer 2150 and Spirits of Excalibur	**SUPER FIGHTER only £16.99** Pitfighter, W.W.F, Final Fight	**MEGA MIX only £12.99** Leander, Agony and Ork
DIZZY'S EXCELLENT ADVENTURES only £16.99 Dizzy Panic, Bubble Dizzy, Dizzy Prince of Yolk Folk, Spellbound Dizzy and Kwik Snak	**NAPOLEONICS only £16.99** Waterloo, Borodino, Austerlitz	**SPORTS COLLECTION only £12.99** Run the Gauntlet, Pro Tennis Tour and World Cup Soccer (Italia' 90)
SPORTS MASTERS only £19.99 PGA Tour Golf, Indy 500, Advantage Tennis and European Championship 1992	**ANIMATION CLASSICS only £27.99** Space Ace, Dragon's Lair II, Wrath of the Demon	**ACTION 5 only £19.99** Rick Dangerous II, Ghostbusters II, Gunship, Super Ski and Hard Driving

TOP TITLES	AMIGA
1869	£19.99
A500+ 1Meg Upgrade	£39.99
A600 1 Meg Upgrade + clock	£49.99
0.5 Meg Upgrade + clock	£25.99
A320 Airbus	£23.99
A320 Airbus USA	£23.99
A Train	£23.99
A Train Con Set	£13.99
Addams Family	£7.99
Airbucks 1.2 (5/6 or 1200)	£19.99
Air Combat Patrol	£19.99
Air Force Commander	£19.99
Alfred Chicken	£16.99
Alien Breed 2	£17.99
Alien Breed Special Edition	£9.99
Aliens III	£16.99
American Gladiators	£16.99
Amos (Easy)	£23.99
Amos 3D	£23.99
Amos Compiler	£19.99
Amos Professional	£54.99
Amos Professional Compiler	£23.99
Amos The Creator	£36.99
Apocalypse	£19.99
Armourgeddon	£15.99
Armourgeddon II*	£19.99
Assassin	£16.99
A.T.A.C.*	£23.99
B17 Flying Fortress	£23.99
Bane Of The Cosmic Forge	£24.99
BARBARIAN II (Psyg)	£10.99
Bart vs the World*	£16.99
Batman Returns*	£16.99
Battle Chess II	£16.99
Battle Isle '93	£20.99
Battle Isle II	£22.99
Battle Toads	£16.99
Beavers	£16.99
Beneath the Steel Sky	£19.99
Birds of Prey	£9.99
Black Crypt	£16.99
Blade Of Destiny	£30.99
Blastar	£16.99
Blob	£16.99
Blue Max	£11.99
Body Blows	£16.99
Body Blows Galactic	£17.99
Boot	£19.99
Brutal Sports Football	£16.99
Bubba 'N' Stix	£16.99
Buck Rogers	£19.99
Buck Rogers II*	£20.99
Bully's Sporting Darts	£7.99
Burning Rubber	£16.99
Burn Up	£16.99
Cadaver- the pay off	£10.99
Caesar	£16.99
Caesar deluxe	£19.99
Campaign	£22.99
Campaign Mission Disk	£10.99
Campaign II	£23.99
Cannon Fodder	£19.99
Captive	£11.99
Captive II	£17.99
Car and Driver*	£23.99
Carl Lewis Challenge	£12.99
Castles	£16.99
Castles Data Disc	£11.99
Castles II*	£23.99
Castle of Dr Brain	£15.99
Chaos Engine	£16.99
Championship Manager '93	£16.99
Chase HQ II	£8.99
Chuck Rock II	£8.99
Civilisation	£23.99
Civilisation A1200	£27.99
C.Y's Air Combat	£20.99
Cohort II	£19.99
Combat Air Patrol	£18.99

TOP TITLES	AMIGA
Cover Girl Poker	£12.99
Crazy Cars III	£9.99
Crystal Kingdom Dizzy	£13.99
Cyberspace*	£23.99
Dalek Attack	£12.99
Darkmere	£16.99
Das Boot	£11.99
D-Day	£16.99
Deluxe Music Con Set	£74.99
Deep Core*	£16.99
Dennis 500/1200	£17.99
Desert Strike	£19.99
Desert Strike II* (Jungle Str)	£20.99
Detroit	£18.99
Diggers (CD)	£23.99
Disney Animation Studio	£74.99
Disposable Hero	£16.99
Dogfight	£23.99
Dracula	£19.99
Dreadnoughts	£22.99
Dreamlands	£19.99
Dream Web*	£27.99
Dune	£19.99
Dune II	£19.99
Dungeon/Chaos	£19.99
Elvira II - Cerberus	£23.99
Epic	£19.99
European Champions	£16.99
Eye of the Beholder	£12.99
Eye of the Beholder II	£23.99
F15 Strike Eagle II	£12.99
F117A Stealth Fighter	£23.99
F19 Stealth Fighter	£12.99
F29 Retaliator	£7.99
Falcon	£9.99
Falcon Mission Disk 1	£6.99
Falcon Mission Disk II	£6.99
Fate Of Atlantis (adv)	£25.99
Fate Of Atlantis (arc)	£16.99
Fatman 500/1200	£16.99
Final Fight	£7.99
Fire and Ice	£15.99
Fire Stone HD Scenery	£13.99
Flashback	£20.99
Football Manager III*	£15.99
Free DC	£18.99
Fronteer (Elite 2)	£19.99
Fury Of The Furries	£20.99
Global Effect	£16.99
Global Gladiators	£19.99
Globdule	£19.99
Goal/Kick Off III	£19.99
Goblins II	£19.99
G.Gooch Cricket	£19.99
Graham Taylor	£9.99
Grand Prix (Formula)	£23.99
Gunship 2000	£23.99
Harlequin	£14.99
Harpoon (1 Meg)	£19.99
Harrier Assault AV8B	£23.99
Hero's Quest II	£16.99
Hill Street Blues	£7.99
Hired Guns	£23.99
Historyline 1914-18	£21.99
Hook	£8.99
International Open Golf	£16.99
International Sports Chall	£15.99
Ishar II 500/1200	£19.99
Jaguar XJ220	£16.99
James Pond III (Op Starfish)	£16.99
J.Whites Whirlwind	£16.99
J.Barnes (1Meg)	£15.99
J.Madden's Football	£16.99
Jurassic Park	£16.99
K240	£16.99
KGB	£16.99
Killing Game Show	£11.99
Kingdom Of Germany*	£19.99
Kingmaker	£19.99

TOP TITLES	AMIGA
King's Quest VI*(A1200)	£37.99
Knight Mare	£11.99
Knights of the Sky	£12.99
Lambourghini USA Challenge	£16.99
Lawn Mower Man*	£16.99
Leander	£10.99
Leeds Utd	£16.99
Legacy*	£23.99
Legacy of Sivasil	£16.99
Legend	£11.99
Legend II (Worlds of Legends)	£16.99
Legend of Kryandia	£19.99
Lemmings	£15.99
Lemmings and Data Disk	£19.99
Lemmings II	£19.99
Lemmings Data Disk	£10.99
Lemmings-Stand Alone	£15.99
Little Divil	£16.99
Links	£12.99
Liquid Kids*	£16.99
Loom	£10.99
Lost Vikings	£16.99
Lost Treasures of Infocom	£23.99
Lotus Turbo Challenge III	£16.99
M1 Tank Platoon	£11.99
MacDonald Land	£9.99
Maelstrom (1Meg)	£23.99
Magic Boy*	£16.99
Man Utd Premier*	£19.99
Mario Is Missing	£16.99
Mean Arenas	£16.99
Micro Machines	£16.99
Microprose Golf	£16.99
Midwinter II	£12.99
Might of Magic III	£23.99
Moonstone	**£10.99**
Monkey Island	£12.99
Monkey Island II	£25.99
Mortal Kombat	£18.99
Mouse (switchable)	**£9.99**
Morph	£15.99
Mr. Nutz	£16.99
Myth	£8.99
Nick Faldo Golf	£23.99
Nicky II	£16.99
N.Mansell World Champ	£20.99
Network Q Rally	£16.99
Noddy's Big Adventure	£16.99
Norty Ones (CD32)	£16.99
One Step Beyond	£13.99
Outlanders*	£16.99
Overdrive	£17.99
Overkill	£14.99
Pacific Islands-T.Yankee II	£20.99
Pacific Islands II*	£21.99
Parasol Stars	£15.99
Patrician	£19.99
PGA Golf Tour +	£20.99
PGA Courses Disk	£10.99
Pinball Dreams	£15.99
Pinball Dreams II	£16.99
Pinball Fantasies (CD32)	£19.99
Populous II The Challenge	£11.99
Populous II + (1 Meg)	£23.99
Power and Glory	£19.99
Power Up Compilation	**£12.99**

TOP TITLES	AMIGA
Premier Manager	£16.99
Premier Manager II	£16.99
Push Over	£8.99
Putty	£12.99
Railroad Tycoon	£12.99
Reach For The Skies	£19.99
Red Baron	£15.99
Road Rash	£16.99
Robin Hood (Millenium)	£9.99
Robocod	£15.99
Robocod A1200	£16.99
Robocop III	£8.99
Robo Sports	£16.99
Rookies*	£17.99
Ryder Cup	£16.99
Sabre Team	£16.99
Sabre Team 1200	£19.99
Scrabble (US Gold)	£18.99
Second Samurai	£17.99
Sensible Soccer 92-93	£16.99
Settlers	£21.99
SHADOW BEAST II	£11.99
Shadow of the Beast III	£11.99
Shadow Worlds	£16.99
Silent Service II	£12.99
Sim Ant	£22.99
Sim Earth	£16.99
Sim Life A1200/500	£19.99
Simon the Sorcerer	£23.99
Sleepwalker 500/1200	£14.99
Snow Bros	£16.99
Soccer Kid 500/1200	£16.99
Soup Trek*	£16.99
Space 1889	£16.99

TOP TITLES	AMIGA
Space Hulk	£23.99
Space Crusade + Upgrade	£16.99
Space Quest IV	£23.99
Special Forces	£23.99
Starflight II	£10.99
Star Trek 25th Anniversary*	£23.99
Steel Empire	£20.99
Stereo Master	£26.99
Street Fighter II	£17.99
Striker	£16.99
Sub	£21.99
Super Cauldron	£16.99
Superfrog	£16.99
Super Mario Brothers	£18.99
Super Space Invaders	£7.99
Super SWIV*	£16.99
Syndicate	£23.99
Syndicate Data Disc*	£14.99
Test Drive III*	£15.99
TFX A1200	£23.99
Theatre of Death	£18.99
The Games '92 Espana	£20.99
Their Finest Hour	£19.99
Thunderhawk AH-73M	£21.99
Tip Off	£16.99
Toki	£7.99
Toon World*	£16.99
Tornado*	£23.99

EDUCATIONAL

ADI English All ages	each£16.99
ADI French All ages	each£16.99
ADI Maths All ages	each£16.99
Fun School 2 All ages	each£6.99
Fun School 3 All ages	each£13.99
Fun School 4 All ages	each£16.99
Noddy's Playtime	£16.99

TOP TITLES	AMIGA
Total Carnage	£16.99
Troddlers	£16.99
Trolls 500/1200	£16.99
TV Sports Baseball	£11.99
TV Sports Boxing	£11.99
Turrican 3	£16.99
Turtles II	£11.99
Twilight 2000	£23.99
Ultima V	£19.99
Ultima VI	£12.99
Universal Masters	£16.99
Uridium II	£17.99
Utopia	£16.99
Utopia New World	£11.99
Utopia II*	£17.99
Video Kid	£15.99
Vikings Fields of Conquest	£15.99
Voyage Beyond Data Disc	£9.99
Walker	£18.99
War in the Gulf	£19.99
Waxworks	£21.99
Whales Voyage	£19.99
White Death (1 Meg)	£12.99
Wing Commander	**£11.99**
Wiz Kid	£15.99
Wiz'n Liz	£19.99
Woody's World	£16.99
W.W.F.	£7.99
W.W.F II	£8.99
Yo! Joe!	£16.99
Zool 500/1200	£16.99
Zool II	£16.99

3.5 DS DD discs
with labels boxed in 10's

10 x 3.5	DS	DD	£5.99
20 X 3.5	DS	DD	£11.99
30 X 3.5	DS	DD	£15.99
50 X 3.5	DS	DD	£21.99
100 X 3.5	DS	DD	£39.99

Please add 50p per 10 discs when ordering to cover P&P

AMIGA BUDGET TITLES UNDER £10

688 Attack Sub	£9.99
Afterburner	£6.99
Altered Beast	£6.99
Arkanoid II	£6.99
ATOMINO	£8.99
Barbarian	£5.99
Barbarian II	£6.99
Batman The Movie	£6.99
Battlehawks 1942	£9.99
Blood Money	£6.99
Blues Brothers	£9.99
Cabal	£6.99
California Games	£6.99
Carrier Command	£8.99
Celica GT4 Rally	£6.99
Centrefold Squares	£6.99
Chase HQ	£6.99
Cloud Kingdom	£6.99
Colossus Chess	£6.99
Combo Racer	£6.99
Conflict in Europe	£7.99
Deluxe Strip Poker (not 600)	£6.99
Double Dragon I or II	£6.99
Dragon Ninja	£6.99
Duel	£6.99
Face Off - Ice Hockey	£7.99
Fantasy World Dizzy	£5.99
F16 Combat Pilot	£7.99
Flight of the Intruder	£8.99
F.O.F.T	£6.99
Future Wars	£8.99
Gauntlet II	£6.99
Gem X	£6.99
Ghostbusters II	£6.99
Ghouls'n'Ghosts	£6.99
Hardball	£8.99
Head over Heels	£6.99

Hudson Hawk	£6.99
IK+	£6.99
Indy Last Crusade Graphic	£9.99
James Pond	£6.99
Jet Set Willy	£7.99
J.Khan Squash	£6.99
Last Ninja II	£6.99
Last Ninja III	£7.99
Lombard RAC Rally	£6.99
Lotus Espirit	£6.99
Lotus Turbo II	£8.99
Maniac Mansions	£8.99
Manic Miner	£7.99
Man United Europe	£7.99
M.Jackson Moonwalker	£6.99
Midwinter	£9.99
Mig 29 Fulcrum	£9.99
Moonshine Racers	£6.99
Murder	£7.99
Narc	£6.99
New Zealand Story	£6.99
Ninja Remix	£7.99
North & South	£6.99
Out Run	£6.99
Operation Harrier	£7.99
Operation Stealth	£9.99
Operation Thunderbolt	£6.99
Operation Wolf	£6.99
Outrun Europa	£7.99
Pang	£6.99
Panza Kick Boxing	£8.99
Pinball Magic	£7.99
Pirates	£8.99
Pitfighter	£6.99
Predator	£6.99
Prince of Persia	£6.99
Project X	£9.99

Pro Tennis Tour	£6.99
Puzznic	£6.99
Rainbow Islands	£6.99
Rambo III	£6.99
RBI 2 Baseball	£6.99
Resolution 101	£6.99
Rick Dangerous II	£7.99
Robocop	£6.99
Robocop II	£6.99
R-Type	£6.99
Run the Gauntlet	£6.99
R.V.F. Honda	£6.99
Shadowlands	£8.99
Shadow of the Beast	£6.99
Shadow Warrior	£6.99
Sherman M4	£6.99
Shinobi	£6.99
Simpsons	£6.99
Smash TV	£6.99
Starglider II	£6.99
Strike Fleet	£9.99
Stunt Car Racer	£6.99
Supaplex	£5.99
Super Cars II	£8.99
Super Hang On	£6.99
Switch Blade	£6.99
Switch Blade II	£8.99
Swiv	£6.99
Terminator II	£6.99
Titus The Fox	£9.99
Turrican II	£7.99
Untouchables	£6.99
Vigilante	£6.99
WC Leaderboard	£6.99
World Championship Boxing	£6.99
Zak McKracken	£8.99

VISIT OUR SHOP
AT
120a
MYDDLETON ROAD
WOOD GREEN
LONDON
N22 4NQ
081
889 9172
SHOP PRICES
MAY VARY.

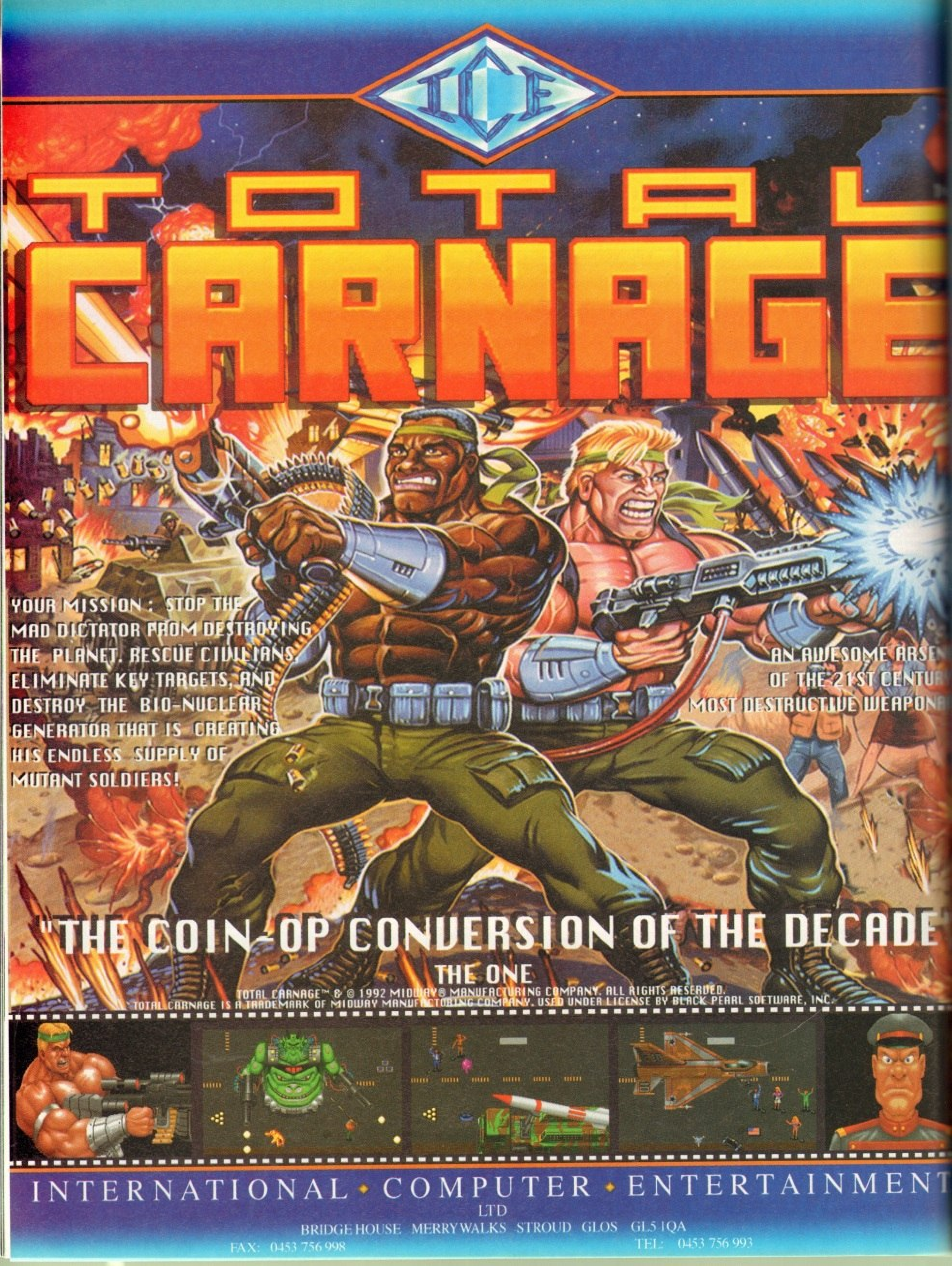
PLEASE MAKE CHEQUES AND PO'S PAYABLE TO ***EAGLE SOFTWARE***. P&P IS £1.00 PER ITEM IN THE UK. EUROPE: ADD £3.50 PER ITEM. ELSEWHERE ADD £5.50 PER ITEM. NEW TITLES WILL BE SENT AS RELEASED AND ARE SUBJECT TO MANUFACTURERS PRICE REVIEWS. E.&O.E. PLEASE SEND ME MY FREE COPY OF 'THE REVIEW BOOKLET ' ☐ Please quote special offer when ordering for it to apply.

COMPUTER ____________ AMIGA ________ DATE ____________
TITLE ____________ PRICE ____________
____________ PRICE ____________
____________ PRICE ____________
____________ PRICE ____________
P &P ____________
TOTAL ____________

VISA

* NOT RELEASED AT TIME OF GOING TO PRESS

NAME ____________
ADDRESS ____________
____
____
____
POSTCODE ____________ TEL: ____________
CARD NO: ____________
EXP DATE ____________ ACCOUNT NO: ____________
ACCESS ☐ VISA ☐ CHEQUE ☐ P.O'S ☐
PLEASE QUOTE ACCOUNT NUMBER WHEN RE-ORDERING



ICE
TOTAL
CARNAGE
YOUR MISSION : STOP THE MAD DICTATOR FROM DESTROYING THE PLANET. RESCUE CIVILIANS, ELIMINATE KEY TARGETS, AND DESTROY THE BIO-NUCLEAR GENERATOR THAT IS CREATING HIS ENDLESS SUPPLY OF MUTANT SOLDIERS!
AN AWESOME ARSE
OF THE 21ST CENTU
MOST DESTRUCTIVE WEAPON
"THE COIN-OP CONVERSION OF THE DECADE"
THE ONE
TOTAL CARNAGE™ & © 1992 MIDWAY® MANUFACTURING COMPANY. ALL RIGHTS RESERVED.
TOTAL CARNAGE IS A TRADEMARK OF MIDWAY MANUFACTURING COMPANY. USED UNDER LICENSE BY BLACK PEARL SOFTWARE, INC.
INTERNATIONAL • COMPUTER • ENTERTAINMENT
LTD
BRIDGE HOUSE MERRYWALKS STROUD GLOS GL5 1QA
FAX: 0453 756 998
TEL: 0453 756 993

The first and most important thing to realise is that although money is important, it's no substitute for power. Begin the game by basing yourself in Luebek. Having borrowed an appropriate amount of money, start trading between Luebek and Malmoe.

Take wine or salt from the former, and wood and wool from the second. At the beginning of the game you should concentrate on shifting cheap goods such as salt and corn. Low price means low risk and high quantities.

Look out for the arrival of the spice fleet. If you choose "Quick Start" the spice fleet will already have docked in Brugge when you begin.

When the fleet docks you should sail straight there and buy as much pepper as you can, then stay in dock for a couple of weeks. You will then be able to sell the stock for twice what you paid for it.

There are other commodities that will provide you with an equally speedy way of rendering yourself solvent. However, you must buy them in the correct locations. For example, buy furs in Nowgorod and sell them in London. Purchase wine in Brugge, oil in Bergen and hemp (hmm, sounds like fun) in Danzig. Buy salt in Luebeck and sell it in Stockholm.

LUXURIES TOO

But there is more to trading than making a fast Thaler. You must also impress the townsfolk with your activities. If you only deal in essential goods such as meat and fish you won't get yourself noticed, or remembered. it's worth bearing in mind that a little flair may be called for, and a little trading in luxury goods.

Once you have enough money, a wise way to spend it is on more ships. By far the cheapest and fastest place to do this is in Nowgorod. All you need to do now is load yourself up with hemp, as all the other materials you need should be located in the town.

Dealing with the scum of the seven seas is definitely a risky business. But, if you are willing to take a chance you could end up with an entire fleet of ships for next to nothing.

Hand over a fully-armed ship and crew – as far from home as possible – and the pirate will sell you every ship he captures, for a pittance. On the other hand, he may disappear and never be seen again.

Alternatively, set up a guard ship in front of the town you know the pirates are heading for and attack them as they enter the port.

If you win the battle you will not only get to keep their ship, but also gain the gratitude and admiration of the townsfolk. This aspect of events is an invaluable commodity.

DODGY DEALS

Always ensure that you have enough money in the office and that you can repay your debts on time. Keep your ships in good condition as deterioration in their condition will reduce their capacity.

If you have a ship that is a complete wreck, just sell it. Selling ships at auction is a good way to make money. Here you can bump up the prices of your boats by bidding against yourself – but you do need to be very quick on the keyboard.

However, heed this warning: Don't bid too high or you may end up paying for a ship you already own. As with most real life, the easiest way to become popular is to spend money on people. In the Patrician, this is best achieved by throwing a party.

If you're having problems with the catering side of your shindig, then here are some invaluable tips. For one, build yourself a warehouse and hide 30 burden of the following items in it: Meat, fish, ale, wine and corn.

The best days to throw a feast are between the 24th and 31st of December. Where weddings are concerned the same catering arrangements apply. But why on earth should a swashbuckling wealthy businessman like yourself even utter such a desperate word?

With all the advantages you have bestowed on yourself you should be out there sowing your wild oats at one of your swinging parties, instead of sitting in front of the candle being henpecked by Brunhilda.

And when you do finally decide to hang it up, the best bride you will be offered is the grieving widow of a bargeman – what, no Thai virgins?

On the plus side, as a dowry you will receive two large ships (and a tug boat if you include your new bride).

To become Alderman you need to be mayor of your hometown, and have an excellent reputation in several other towns. Join as many guilds as you can and trade between as many towns as possible.

An important tip here is to be generous with your wealth. While we realise this will hurt, if you want to succeed in Patrician we're afraid it's a necessary aspect of play.

If you want to see results you should spend around one million Thaler on the town initially, about 1.5 million the second time, and about 3 million the final time.

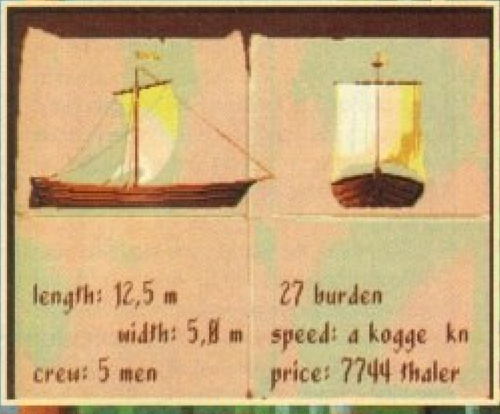
Use your warehouse. Buying cheap products like cereal and storing it will result in the employees you have taken on processing products like beer from it.

There are many unpredictable elements in the game. Disaster or good fortune may strike at any time. However, one thing becomes blatantly clear the further you get into the game. The deeper you go, the more dangerous it becomes to transport goods. Equip one of your ships to lead a convoy and you not only reduce the risk, but also gain popularity.

Remember at all times the main key to success is popularity.



For a successful attempt at Patrician it's important to start business in the right town, Luebeck is as good, if not better, than most

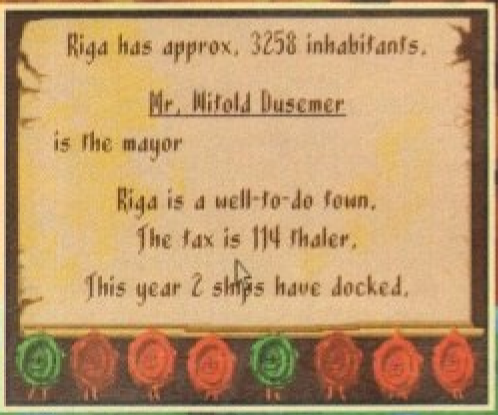


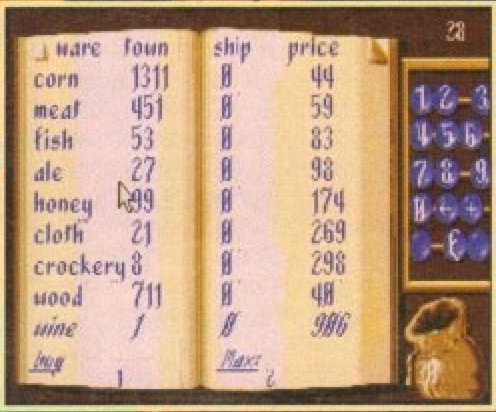
It's important to build boats for success

The Patrician

At last after going broke time after time, help has finally arrived. Yes traders, a complete guide to getting rich, making friends and influencing people...

Always pick a nice juicy, wealthy town with plenty of loot





Here's a list of goodies you can buy in town

cheat mode

Ishar II

Here is the concluding part of the complete guide to Daze's brilliant adventure game. Enjoy!

Akeer's Island

Return SE to the corridor with handles. Go due N into the passage and follow the corridors to the W. Beware of the destroying Wizard of Chaos (prepare psychic protection). Kill the wizard. Pick up treasures and skull.

Return to the passage entrance. Take the corridor to the SE. Beware the dangerous magician. Kill the magician. Secret passage in one of the walls; click on the button under the eagle-heads.

Continue along the corridor to the N. Place the six skulls on the six scales. Continue along the corridor. Kill the guard. Pick up the relic. Return to the landing-stage. Re-enter the town.



Jon's Island 1

Find the passage to the West and head along the road. Watch out for the dwarves as they always try for the kill. After a while turn North into the mountains.

On the way you'll pass two cul-de-sacs, West and East. Take each of them in turn and pick the edelweiss plants. Go back to the end of the passage and head East, watching out for the vultures.

Go North into the mountains and find yet another edelweiss. Go South back to the passage and keep on East. Take the first path North and then go East and you'll find two more of the precious plants. Watch out for the curse that lies in the area; try to cast a curse-lifting spell prior to entering.

Because of the altitude you may find your characters being affected by vertigo. Avoid this by drinking anti-vertigo potions. When they take effect, continue higher up the mountains. Collect the relic at the end, then return to the harbour and head for the North-West landing of Jon's Island.



Jon's Island 2

At the harbour head West along the coast line. When you reach the Mountains to the East, you must dismiss one of your characters. To make matters worse you must strip them of all their gold and possessions.

Head through the mountains to the East, watching out for guards. At the end of the path you will come across five pillars and a dead druid. By this stage you should have five relics.

Place a relic on each of the pillars and the druid will be re-incarnated. Recruit him and treat him nicely. Head back to the harbour stock up with supplies, rest and perform all other bodily functions. Then head for the fortress on Olbar's Island.



Zach's Island

Go back to the city once more. Head for the clothes shop and buy five evening tunics. Dress in your new garb and wear the pendant given to you by the Ent. Do this before you enter the Blue Velvet nightclub; here you will find one of the Fortress parchments.

Check finances, as you will need at least 20,000 coins for the next part of the quest. If you don't have enough, then indulge in a killing and robbing spree in the city until your finances are sufficient and your bloodlust satiated.

Next, go to the alley of the four towers which is North-East of the harbour and wait until two in the morning for the suspicious character to appear.

If you've been one to enter as many pubs as you can during the game, chances are you'll have met him before. Give him your 20,000 coins and he will give an important item.

Go to the herb shop and buy the ingredients for five anti-vertigo potion, otherwise known as Mildong. Eat, sleep and head for the North-East side of Jon's Island.

Olbar's Island

The end of the quest is nearing, however this is the deadliest and most demanding Island of all. First thing to do on this island is to fight the Fire Elemental. This is easier said than done because to kill the Elemental you must have one of your characters hold the magic shield while someone else casts a fire protection spell, then step forward and strike.

At the first crossroads, turn right and follow it around the block until you reach an opening to the North. When you reach the next crossroads turn to your West if you fancy more experience and treasure.

Once you've exhausted the maze return to the crossroads. Go North to find the one of the toughest creatures in the game, a fire-breathing dragon.

Use the same method as you did against the Fire Elemental to defeat the dragon. He may take quite some time, so be prepared to take a couple of steps backwards to heal yourself.

After the defeat of the dragon, head North. Examine every nook and cranny in the walls because there are hidden treasures contained in a good many of them.

Shortly you will reach another crossroads. Head North, then watch out for a secret passage leading from the North wall. Follow this secret passage, fighting all the skeletons and wizards *en route*. When you reach the end of the passage, enter the maze. Beware this is no ordinary maze, as most of the walls are invisible doors – so map carefully. At the end of the maze pull the handle and fight your way back to the crossroads.

At the crossroads go South, then stop when you reach a room. The walls in here have spikes poking out of them, so make sure you slalom through carefully.

You should now have reached Shandar's fortress. In the first large room, stick to the edge of the room – avoid the middle! At the South-East of the room collect the treasure.

In the North-West corner of the room there is a knight who you will have to kill. Once defeated, leave by the door behind him. Walk straight through the next room and leave by the North exit.

Look out for a small room to the West, enter it and activate the mechanism. Now race back to the end of the corridor. Your next encounter is with a Gorgon, she has a particular talent for inverting people so kill her as quickly as possible. After you've defeated her, move into the room beyond and drink from the fountain to restore life.

Head South into a labyrinth full of mummies and witches for you to kill. When you've dealt with them all, leave by the Southern exit. Take the next passage East and look for a small room to the West. Activate the mechanism you find there, then head back into the passage. At the end you will find some Lion guards; kill them and use magic to heal any wounded characters.

Examine the grille in front of you and trigger the trapdoor next to it. Walk through and head North at the next crossroads. Walk to the end, take the treasure and activate the mechanism. Return to the crossroads and head down the South passage.

At the end is a room with a magician in it. For once in your blood-lusting life don't kill him; try the humble art of communication and listen to what he says.

Go back to the corridor and take the North passage. You should come to a closed passage. Place the parrot in front of the large ear and let it talk – the passage will open.

The next room has low ceiling points, so slalom through with care. At the next room, work around the edges and keep away from the centre.

You are about to engage in the final battle of the game, so get everyone up to full strength and prepare a Psychic shelter spell. Head into the Northern room and Shandar will appear. All you have to do now is kill him, then retreat from the fortress enjoying the fireworks. Kendoria should now be able to look forward to a peaceful and prosperous existence.

FAST QUALITY AMIGA REPAIRS

Upgrades + Engineering requirements

SAME DAY SERVICE
£34.99 + parts
(comps in by 11am)

NORMAL SERVICE
£24.99 + parts
(Typically 24 hrs)

Central London

Repairs on:
A500, A500+, A590, A600, A1200, A1500, A2000, A3000, A4000

Plus Amiga add on hard drives and monitors.

Spares also available

Door to door pick up + delivery anywhere in the U.K.

FAST ENGINEERING
144, Tanner St., Tower Bridge, London SE1 2HG
Tel. 071-252 3553

Premier Mail Order

(E&OE)

*Titles marked * are not yet available and will be sent on day of release. Please send cheque / PO (made out to Premier Mail Order) / Access / Visa No. and expiry date to:*
Dept AC69, 10 Tinkler Side, Basildon, Essex SS14 1LE Tel: 0268-271172 Fax: 0268-271173
Telephone orders: Mon-Fri 9am-7pm and Sat & Sun 10am-4pm. We Are Open 364 Days A Year
P&P and VAT is included for all UK orders. Please add £2 P&P for Europe and £3.50 for Rest of the World. Next day delivery service available £4 per item

Title	Price
1869	20.99
3D Construction Kit 2	34.99
A-Train	22.99
A320 Airbus (Europe)	22.99
A320 Airbus (USA)	**22.99**
Abandoned Places 2	22.99
Air Bucks 1.2	19.99
Air Bucks 1.2	A1200 22.99
Air Force Commander	19.99
Akira	18.99
Akira	CD32 19.99
Alfred Chicken	17.99
Alfred Chicken	A1200/CD32 17.99
Alien 3	19.99
Alien Breed 2	**A1200 19.99**
Alien Breed 2	**19.99**
Alien Breed Special Edition	10.99
Alien Breed Special Edition	CD32 12.99
American Gladiators	16.99
Apocalypse	27.99
Arabian Knights	A1200 or CD32 19.99
Archer Macleans	(see Excellent Games)
Arsenal FC	16.99
Ashes of the Empire	12.99
Assassin Remix	9.99
ATAC	22.99
Award Winners 2	19.99
B17 Flying Fortress (1 Meg)	**22.99**
Bart vs the World	17.99
Batman Returns	16.99
Battle Isle 93	17.99
Battletoads	19.99
Beastlord	17.99
Beavers	17.99
Beneath Steel Sky	20.99
Benefactor	19.99
Blade of Destiny	26.99
Blastar	17.99
Blob	17.99
Board Genius	19.99
Bob's Bad Day	17.99
Body Blows (1 Meg)	18.99
Body Blows Galactic	**18.99**
Body Blows Galactic	**A1200 19.99**
Brian the Lion	19.99
Brutal Sports Football	25.99
Bubba 'n' Stix	19.99
Bubble & Squeak	CD32 19.99
Burnin Rubber	16.99
Caesar Deluxe	19.99
Campaign 2 *	22.99
Campaign Mission Disks *	11.99
Cannon Fodder	20.99
Captive 2 - Liberation	20.99
Captive 2 - Liberation	CD32 20.99
Castles 2	19.99
Castles 2	A1200 22.99
Championship Manager '93 (1 Meg)	16.99
Championship Manager '94 Season Disk	7.99
Chaos Engine	**16.99**
Chaos Engine	A1200 17.99
Chaos Engine	CD32 19.99
Chuck Rock 2	16.99
Civilisation	**A1200 25.99**
Civilisation (1 Meg)	22.99
Claws	17.99
Cohort 2 *	19.99
Combat Air Patrol	19.99
Combat Classics	**19.99**
Combat Classics 2	**19.99**
Contraptions *	13.99
Cool Spot	19.99
Covergirl	17.99
Craft	17.99
Creepers	19.99
Cyber Punk	17.99
Cyberspace *	22.99
Dangerous Streets	A500 or A1200 17.99
D Generation	CD32 17.99
Dark Sun Shattered Lands *	21.99
Darkmere	20.99
Deepcore	17.99
Deluxe Music Construction Set 2.0	59.99
Deluxe Paint 4 AGA	84.99
Dennis	17.99
Dennis	A1200 18.99
Dep Call	CD32 19.99
Desert Strike	**19.99**
Diggers	A1200 19.99
Disposable Hero	17.99
Dizzy Collection	16.99
Dizzy's Excellent Adventure	16.99
Dogfight	**22.99**
Dune	16.99
Dune	CD32 19.99
Dracula	19.99
Dreamlands	19.99
Dreamweb	22.99
Dune 2	20.99
Dynablasters	19.99
Elfmania	17.99
Elite 2 (Frontier)	**22.99**
Entity	19.99
European Champions	17.99
European Championship Football	CD32 19.99
Excellent Games	**22.99**
Exile	CD32 19.99
Exodus 3010 *	19.99
Eye of the Beholder 1	12.99
Eye of the Beholder 2 (1 Meg)	21.99
Eye of the Storm *	19.99
F1	17.99
F117A Nighthawk Stealthfighter	**22.99**
F15 Strike Eagle 2	13.99
F16 Combat Pilot	8.99
F17 Challenge	10.99
F17 Challenge	CD32 12.99
F19 Stealth Fighter	11.99
F29	10.99
FA Premier League *	17.99
Falcon 3 *	24.99
Fantastic Worlds	22.99
Fat Man	17.99
Ferrari Grand Prix *	17.99
Fields Of Glory	22.99
Final Fight	8.99
First Samurai + Megalo-Mania	19.99
Flashback	**20.99**
Flight Sim 2 Western European Tour	13.99
Flight Simulator 2	**24.99**
Flight of the Intruder	10.99
Formula 1 Champions	19.99
Formula One Grand Prix	22.99
G2	17.99
Genesis	CD32 19.99
Global Gladiators	20.99
Globdule	19.99
Goblins 3	22.99
Goal	**13.99**
Graham Gooch 2nd Innings	11.99
Graham Gooch World Class Cricket	**19.99**
Graham Taylors Soccer Challenge	8.99
Grand Prix Circuit	19.99
Grand Slam Collection	13.99
Gruesome *	16.99
Gulp	CD32 19.99
Gunship 2000 (1 Meg)	**22.99**
Harpoon Battleset 2	22.99
Harpoon Battleset 3 or 4	9.99
Harpoon Scenario Editor	13.99
Harrier Jump Jet *	22.99
Horoquest 2	18.99
Hill Street Blues	8.99
Hired Guns	**22.99**
History Line 1914-18 (1 Meg)	22.99
IK+	6.99
Ian Botham Cricket	10.99
Indiana Jones Fate of Atlantis Adv	24.99
Inferno	CD32 19.99
Innocent	22.99
International Open Golf	CD32 19.99
International Open Gold Championship	17.99
Ishar 2	19.99
Ishar 2	A1200 19.99
Jack the Ripper	27.99
James Pond 2	(see Excellent Games)
James Pond 2 - Robocod	**CD32 20.99**
James Pond 3	19.99
James Pond 3	A1200/CD32 19.99
John Barnes Football	CD32 12.99
John Madden American Football	16.99
Jurassic Park	17.99
Jurassic Park	A1200 18.99
Jurassic Park	CD32 19.99
K240 *	17.99
K240 (Non AGA)	CD32 17.99
Kings Quest VI	26.99
Kid Vicious	17.99
Knights of the Sky	10.99
Krusty's Super Fun House	17.99
Laser Squad	8.99
Legacy of Sorasil	17.99
Legend of Sorasil (Non ACA)	CD32 17.99
Legends of Valour	24.99
Lemmings 2 The Tribes	**17.99**
Lemmings Double Pack	19.99
Links - the Challenge of Golf	**12.99**
Lionheart	18.99
Litil Divil	CD32 19.99
Living Pinball	19.99
Lords of Power	**22.99**
Lotus Turbo Trilogy	CD32 22.99
M1 Tank Platoon	12.99
Magic Boy *	17.99
Magician's Castle	19.99
Manchester United Europe	8.99
Man United Premier League Champions	19.99
Mario is Missing	19.99
Mavis Beacon 2	19.99
Mean Arenas	17.99
Mega Collection	16.99
Messengers of Doom	19.99
Micro Machines	**17.99**
Microcosm	CD32 29.99
Monopoly	18.99
Morph	17.99
Morph	A1200/CD32 19.99
Mortal Combat	**20.99**
Mr Nutz	17.99
Mr Nutz	A1200 18.99
Narco Police	5.99
Nascar Challenge	12.99
Network Q RAC Rally	19.99
New Zealand Story	6.99
Nick Faldo's Golf (1 Meg)	22.99
Nicky 2	17.99
Nigel Mansell World Champ	19.99
Nigel Mansell World Champ	A1200 19.99
Nippon Safes	19.99
Oscar	A500 or A1200 17.99
Overdrive	**16.99**
Overkill	A1200 17.99
Overkill	CD32 19.99
PGA Tour Golf Tournament Disk	9.99
PGA Tour Golf+	19.99
Pang	6.99
Parasol Stars	8.99
Perfect General	(see Lords of Power)
Perfect General Data Disk	14.99
Perihelion	19.99
Pinball Dreams & Fantasies	**22.99**
Pinball Fantasies	A1200 19.99
Pinball Fantasies	**CD32 24.99**
Pinball Magic	6.99
Piracy	19.99
Populous & Promised Lands	10.99
Populous 2+	(see Excellent Games)
Powermonger & Data Disk	12.99
Prehistoric 2 *	16.99
Premier Manager 2	17.99
Prime Mover	17.99
Prince of Persia	6.99
Pro Tennis Tour 2	16.99
Project X	10.99
Project X	CD32 12.99
Prophecy	19.99
Puggsy *	19.99
QUAK	CD32 12.99
Quest for Glory	26.99
Qwak	9.99
Ragnarok	22.99
Railroad Tycoon	(see Lords of Power)
Rainbow Islands	6.99
Reach for the Skies	19.99
Reach out for Gold	A500 or A1200 17.99
Red Baron	(see Lords of Power)
Red Zone	16.99
Renegade	6.99
Renegade 2 *	16.99
Rise of the Robots	A500 or A1200 27.99
Robin Hood	10.99
Rodland	9.99
Rookies	16.99
Rules of Engagement 2	22.99
Ryder Cup	17.99
Ryder Cup	**CD32 20.99**
Scrabble	18.99
Second Samurai	19.99
Secret of Monkey Island	10.99
Secret of Monkey Island 2 (1 Meg)	24.99
Seek 'n' Destroy	17.99
Sensible Soccer 92/93	16.99
Sensible Soccer	CD32 19.99
Settlers	**19.99**
Settlers	**A1200 22.99**
Shadow Lands	8.99
Shuttle	(see Excellent Games)
Silent Service 2	(see Lords of Power)
Sim City Deluxe	**22.99**
Sim City + Populous	19.99
Sim Life	A1200 22.99
Simon the Sorceror	22.99
Simon the Sorceror	A1200 29.99
Sleepwalker	CD32 19.99
Sticks	12.99
Soccer Kid	**17.99**
Soccer Kid	A1200 19.99
Space Hulk	**22.99**
Space Legends Compilation	**19.99**
Sports Masters Compilation	19.99
Star Trek	A1200 22.99
Starlord	22.99
Starush *	16.99
Streetfighter 2	12.99
Striker	8.99
Strip Poker 2 + Data Disk	6.99
S.U.B.	19.99
Super Barbarian *	16.99
Super Couldron *	16.99
Super Hero *	19.99
Super League Manager	17.99
Superfrog	17.99
Surf Ninjas	A500 or A1200 17.99
Surf Ninjas	CD32 19.99
Syndicate	**22.99**
Syndicate Data Disk	13.99
T.F.X	CD32 19.99
T.F.X	A1200/CD32 22.99
TV Sports Duo	CD32 19.99
The Greatest	**21.99**
The Kristal	6.99
The Legend of Robin Hood	26.99
The Lost Vikings	20.99
The Patrician	24.99
Theatre of Death	19.99
Tornado	**22.99**
Total Carnage	18.99
Total Carnage	CD32 19.99
Tracon 2	37.99
Trolls	A500 or A1200 9.99
Turbo Challenge	8.99
Turbo Challenge 3 (1 Meg)	16.99
Turrican 3	17.99
Turrican 3	A1200 17.99
Twi-Light 2000	20.99
Two Towers	19.99
U96 *	22.99
UMS Compilation	27.99
Ultimate Pinball Quest	19.99
Universal Monsters	17.99
Uridium 2	17.99
Uridium 2	CD32 22.99
Utopia	8.99
Utopia 2	19.99
Utopia 2	CD32 19.99
Walker	19.99
Western Front *	20.00
Whales Voyage	16.99
Whales Voyage	A1200/CD32 19.99
Wing Commander	**A1200 22.99**
Winter Challenge *	22.99
Wiz 'n' Liz	19.99
Woody's World	17.99
Worlds of Legend	17.99
Xmas Lemmings	12.99
Yo Joe	17.99
Zool	**CD32 19.99**
Zool 2	A1200 17.99

3.5" BLANK DISKS

	TDK/VERBATIM (BOXED) LOW	TDK/VERBATIM (BOXED) HIGH	PRECISION (BOXED) LOW	PRECISION (BOXED) HIGH	UNBRANDED (LOOSE) LOW	UNBRANDED (LOOSE) HIGH
10	7.99	9.99	6.49	7.99	5.99	6.99
20	14.50	19.50	11.99	15.50	10.99	13.99
50	35.00	47.50	26.00	37.50	23.99	32.99
100	65.00	95.00	49.99	72.99	44.99	62.99
200	125.00	190.00	94.99	141.99	83.99	121.99
500	300.00	470.00	219.99	350.00	199.99	287.50
1000	580.00	930.00	419.99	680.00	369.99	550.00

RECYCLED DS/DD LOW
10 ... 4.50 20 ... 8.50 50 ... 17.50 100 ... 35.00

SPECIAL OFFERS

Title	Price
Arabian Knights	9.99
Blues Brother	8.99
Chuck Rock	10.99
Crazy Cars 3	12.99
Football Crazy Challenge	9.99
Godfather Adventure Arcade Game	8.99
Kick Off 2 1/2 Meg	7.99
Kick Off 2 1 Meg	9.99
Kick Off 2 Final Whistle	7.99
Kick Off 2 Giants of Europe	7.99
Kick Off 2 Return to Europe	7.99
Kick Off 2 Winning Tactics	5.99
Microprose Golf	14.99
Sabre Team	9.99
Seymour Goes to Hollywood	6.99
Shadow Worlds	9.99
Silkworm	5.99
Thunderstrike	5.99
Wing Commander (1 Meg)	14.99
Zool	12.99

EDUCATIONAL

Title	Ages	Price
ADI English	(All Ages)	17.99
ADI French	(All Ages)	17.99
ADI Maths	(All Ages)	17.99
Allving Puzzles	(6-8)	12.99
Better Maths	(12-16)	13.99
Better Spelling	(8-14)	13.99
Cave Maze	(8-12)	9.99
Fraction Goblins	(8-13)	9.99
Fun School 2	(-8)	6.99
Fun School 2	(6-8)	6.99
Fun School 2	(U6)	6.99
Fun School 4	(5-7)	16.99
Fun School 4	(7-11)	16.99
Fun School 4	(U5)	16.99
Junior Typist	(5-10)	10.99
Magic Math	(4-8)	13.99
Maths Dragons	(6-13)	9.99
Maths Mania	(8-12)	13.99
Mickey's 123's	(2-5)	13.99
Mickey's ABC's	(2-5)	13.99
Mickey's Jigsaw Puzzles	(5+)	13.99
Mickey's Memory Challenge	(5+)	13.99
Noddy's Big Adventure	(3+)	16.99
Paint & Create	(5+)	17.99
Picture Fractions	(7-10)	9.99
Play Room	(3-8)	17.99
Reasoning with Trolls	(5-12)	9.99
Tidy the House	(6-10)	9.99
JUNIOR ADVENTURE		
Robin Hood	(5+)	13.99
The Three Bears	(5-10)	13.99
Wind in the Willows	(6+)	13.99
Wizard Of Oz		13.99
Scrooge (A Christmas Carol)	(8+)	13.99

JOYSTICKS/ACCESSORIES

Title	Price
1/2 Meg. Upgrade	24.99
1/2 Meg Upgrade + Clock	26.99
Cheetah 125+	7.99
Competition Pro Extra	14.99
Quick Joy 2 Turbo	10.99
Quick Joy Jet Fighter	11.99
Quick Joy Top Star	17.99
Disk Box (40 capacity)	4.99
Disk Box (80 capacity)	6.99
Suncom Slik Stick	5.99
Suncom Tac 2	7.99
Wico 'Q' Stick	4.99

A FIGHT OUT OF THIS WORLD

BODY BLOWS GALACTIC - NOW AVAILABLE

TEAM 17

TEL: 0924 201846



Ted Thinsin, a mad scientist, has invented a new formula in an attempt to eliminate all the FAT people on earth. In his efforts to opthinize mankind, he has kidnapped BLOBETTA the gorgeous wife of FATMAN World famous cartoon Super hero. You must go out and ...

...Burp your way through 15 of the largest levels ever seen, set in 7 separate world packed with CALORIES!

...Use your WORLD FAMOUS BELLY BUTT to eliminate ghosts in the Egyptian tombs, and Pirates trying to steal your food!

...Enjoy a food fight with hugh Octopuses, monsters and Dragons.!

...Throw your weight about as you smash and stomp around Castles and Parks!

...Help FATMAN, king of food, eliminate Ted Thinsin in the final confrontation -

THE PIZZA FACTORY

DISTRIBUTED EXCLUSIVELY BY

kompart (UK) Limited

Tel: (0727) 868005

Guildford House. 20 Guildford Road St. Albans, Herts. AL1 5JY.

© BLACK LEGEND SOFTWARE

An IO Product

AVAILABLE NOW

Logic 3

...Bringing the best out of computing!

Commodore & Atari Controllers

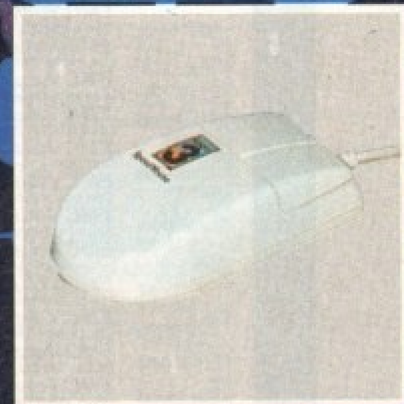


Logipad
The world's first fully microswitched Control Pad
- Six fire buttons
- Eight-direction thumb control
- Autofire
- Six foot connector cable.

Model No. JT 160
£18.99 inc. VAT.

SpeedMouse
- Switchable mouse for both the Amiga and Atari ST
- Feather-touch button control
- 300 dpi
- Smooth and accurate movement
- Comfortable to use.

Model No. LG 2RG
£16.99 inc. VAT.









Quatro
Classic arcade-style design
- Six heavy-duty microswitches
- Two fire buttons
- Extra-long connector cable.
- Steel shaft

Model No. JT 154 **£12.99 inc. VAT.**

Pinto
Miniature version of Quatro.
Suitable for younger gamesplayers or hand-held play.
Model No. JT 151 **£12.99 inc. VAT.**

Quatro GT
Classic arcade-style design
- Six heavy-duty microswitches
- Extra-long connector cable
- Independent rapid-fire button
- 3-way autofire facility
- Slow-motion facility
- Two fire buttons
- Steel shaft.

Model No. JT 155 **£16.99 inc. VAT.**

Pinto GT
Miniature version of Quatro GT but without rapid-fire and slow-motion. Suitable for younger gamesplayers or hand-held play.
Model No. JT 152 **£16.99 inc. VAT.**

Delta-Ray
New 'Comfort-Grip' handle
- Nine high-quality microswitches
- Extra-long connector cable
- Five fire buttons
- Autofire plus rapid-fire function
- Suction cups for extra stability.

Model No. JT 156
£15.99 inc. VAT.



FreeWheel
Can you imagine Nigel Mansell using a joystick to control his car around a high-speed track? Probably not. That's why we came up with the FreeWheel. Just plug it into your computer joystick port and experience the real sensation of driving!
- Suitable for all types of driving and flying games
- Uses unique angle-sensitive switches
- Extra-long connector cable
- Does not need to be mounted or fixed to a surface.

Model No. FW 111 - Digital FreeWheel for Amiga/ST/C64 etc.
£29.99 inc. VAT.
Model No. FW 123 - Analog FreeWheel for Amiga **£39.99 inc. VAT.**

VISA

AVAILABLE FROM MOST COMPUTER STOCKISTS OR CALL OUR TELEPHONE HOTLINE: 081-902 2211.

POST AND PACKAGING £3.00 PER ORDER.

SPECTRA VIDEO
TEL. 081-902 2211

SPECTRAVIDEO, UNIT 27, NORTHFIELD INDUSTRIAL ESTATE, BERESFORD AVENUE, WEMBLEY, MIDDLESEX HA0 1NW, ENGLAND
TELEPHONE: 081-900 0024 ● FACSIMILE: 081-903 6625.

ALL TRADE MARKS AND BRAND NAMES ARE ACKNOWLEDGED AS THE PROPERTY OF THEIR RESPECTIVE OWNERS

LG4 07 10 93

E.M. COMPUTERGRAPHIC

THE U.K.'S NUMBER 1 AMIGA FONT AND CLIPART DISTRIBUTORS -

BITMAPPED CLIP ART

Fully sorted and saved as brushes, ready for import directly into your programs.

EMC Volume 1 - 5 Disks - **£14.00** - Classic *IFF Clipart*
Sports, Cartoons, Military, Plants, Animals, Transport, Babies, People and Xmas.
EMC Volume 11 - 5 Disks - **£14.00** - Classic *IFF Clipart*
People, Food, Aircraft, Animals, Diving, Cats, Dogs, Sport, Transport and Natural.
EMC Volume 15 - 8 Disks - **£22.00** - Classic *IFF Clipart*
Buildings, Electronics, Kids, Sports, Animals, Religion, Office, Food and Weddings.
EMC Volume 22 - 5 Disks - **£14.00** - Classic *IFF Clipart*
People, Professions, Sports, Clowns, Medical, Animals, Computers and Office.
EMC Volume 28 - 5 Disks - **£14.00** - Classic *IFF Clipart*
Animals, Birth, Xmas, Cats, Flowers, Computers, Headers/Borders, and Seasons.

VERY HIGH QUALITY IFF CLIP ART

These volumes contain 300 - 600 dpi scans that are extremely large. Once the clips have been reduced to a usable size in your DTP program they will produce printouts of amazing quality. As with all EMC's clipart disks these clips are fully sorted and saved as brushes, ready for direct import into your DTP and Graphics programs. Standard IFF format and is compatable with ALL major applications.
Please Note: We recommend that you have at least 2mb of memory to use these images.

EMC Volume 34 - 5 Disks - **£14.00** - *IFF Animals 1*
Bears, Birds, Dogs, Water, Insects, Horses, Reptiles and Exotic Animals.
EMC Volume 35 - 5 Disks - **£14.00** - *IFF Animals 2*
Cats, Wild Cats, Funny Cats, Trop.Fish, Fish, Farm and Funny Animals.
EMC Volume 36 - 8 Disks - **£22.00** - *IFF Transport*
Aircraft, M'bikes, Cars&Classic, Commercial, Boats, Eng.Tools and Trains.
EMC Volume 37 - 5 Disks - **£14.00** - *IFF Business*
Computers, Office, Bus.People, Photocopiers, Printers and Funny Business.
EMC Volume 38 - 5 Disks - **£14.00** - *IFF Fantasy 1*
Barbarians, Beasts, Knights, Weapons, Dragons, Battles, Men and Women.
EMC Volume 39 - 5 Disks - **£14.00** - *IFF Fantasy 2*
Demons, Devils, Monsters, Skulls, Warriors, Witches and Wizards etc..
EMC Volume 40 - 5 Disks - **£14.00** - *IFF Borders*
Stunning Borders - Animals, Women, Misc, Objects, Places and Natural.
EMC Volume 41 - 6 Disks - **£16.50** - *IFF People 1*
Babies, Boys, Girls, Men, Women, Working, Families and Famous People.
EMC Volume 42 - 5 Disks - **£14.00** - *IFF Natural*
Plants, Flowers, Tropical Plants, Trees, Scenery and Garden Plants.
EMC Volume 43 - 5 Disks - **£14.00** - *IFF Sports*
Gymnastics, TP Bowling, Motor, Tennis, Golf, Water, Ball Games etc..
EMC Volume 44 - 6 Disks - **£16.50** - *IFF Education 1*
Bibles, School, Churches, Christ, Priests, History, World Maps, and Places.
EMC Volume 45 - 5 Disks - **£14.00** - *IFF Various 1*
Food, Weddings, Easter, Xmas&Borders, Valentines, Sleighs and Wreaths.
EMC Volume 46 - 5 Disks - **£14.00** - *IFF Various 2*
Buildings, Dancing, Music, Military, Rescue, Zodiac, Survival and Silhouettes.
EMC Volume 47 - 5 Disks - **£14.00** - *IFF Humour*
Animals (all types), Chickens, Idiots, People, Fruit, Kids, Dentists and Fish.
EMC Volume 50 - 6 Disks - **£16.50** - *IFF Dogs & Cats*
Just about every breed of dog and cat, including wild dogs and wild cats.
EMC Volume 51 - 5 Disks - **£14.00** - *IFF Birds & Insects*
Eagles, Owls, Parrots, Parakeets, Common, Flies, Bugs, Bees and Spiders.
EMC Volume 52 - 5 Disks - **£14.00** - *IFF Animals 3*
Beavers, Gerbils, Hamsters, Deers, Foxes, Farm Horses and Rabbits.
EMC Volume 53 - 5 Disks - **£14.00** - *IFF Animals 4*
Frogs, Snakes, Turtles, Trop.Fish, Sea/Freshwater Fish, Insects and more.
EMC Volume 54 - 5 Disks - **£14.00** - *IFF Animals 5*
Apes, Elephants, Giraffes, Moose, Zebras, Bears, Teddy Bears, and more.
EMC Volume 55 - 6 Disks - **£16.50** - *IFF Flowers 1*
Daffs, Flowering Plants, Chrys, Iris, Marigolds, Orchids, Lillies, Pansies etc..
EMC Volume 56 - 6 Disks - **£16.50** - *IFF Flowers 2*
Poppies, Flowers and lots more flowers!...A must for all those botanists out there!
EMC Volume 57 - 6 Disks - **£16.50** - *IFF Flowers 3*
Petunias, Tulips and more flowers! Another must for all those botanists out there!
EMC Volume 58 - 6 Disks - **£16.50** - *IFF Trees*
Humorous, Oak, Pine, Maple, Willows, Palms, Bonsai and other Trees.
EMC Volume 59 - 6 Disks - **£16.50** - *IFF Plants1*
Bamboo, Fungus, Pot Plants, Cacti, Yucca, Bulrushes, Thistles and lots more!
EMC Volume 60 - 6 Disks - **£16.50** - *IFF Plants 2*
Herbs, Food related plants and lots of other plants!
EMC Volume 61 - 6 Disks - **£16.50** - *IFF Military*
Aircraft, WWII Planes, Fighters, Tanks, Arm.Vehicles, Ships, Trucks and more!
EMC Volume 62 - 5 Disks - **£14.00** - *IFF Fruit*
Apples, Grapes, R'berries, S'berries, Cherries, Pears, Pineapples and lots more!
EMC Volume 63 - 5 Disks - **£14.00** - *IFF People 2*
Babies, Girls & Boys, Kid's Stuff, Men, Cowboys, Fomous People and lots more!
EMC Volume 64 - 5 Disks - **£14.00** - *IFF People 3*
Circus, Couples, Historic, Borders, Women >> Beauty, Lingerie, Hairdressing etc.
EMC Volume 65 - 6 Disks - **£16.50** - *IFF Events*
B'day, Camping, Easter, Halloween, Xmas and nearly **2mb** of Wedding.
EMC Volume 66 - 6 Disks - **£16.50** - *IFF Work*
Garden Tools, Precision Tools, Working Men, Machinery and common Tools.
EMC Volume 67 - 6 Disks - **£16.50** - *IFF Food 1*
Italian, BBQ, Sweets/Puddings, Junkfood, Chefs/Waiters and lots of Vegs.
EMC Volume 68 - 6 Disks - **£16.50** - *IFF Food 2*
Drinks, Salad, Mushrooms, Sweetcorn, Crops, Wine, Champagne etc..
EMC Volume 69 - 5 Disks - **£14.00** - *IFF Science*
Doctors, Anatomy, Dentists, Medical Equipment, Nurses, Opticians etc..
EMC Volume 70 - 5 Disks - **£14.00** - *IFF Education 2*
Books, Teachers, Religion, Worship, Music + Instruments, Dancing and more!
EMC Volume 71 - 6 Disks - **£16.50** - *IFF Geography*
Pics. from the world - Asia, Egypt, Africa, Europe, India, S.America, Arabic etc..
EMC Volume 72 - 5 Disks - **£14.00** - *IFF Various 3*
Boats, Off Road, Italian/German Sports Cars, Buses, Trains, Aircraft etc..
EMC Volume 73 - 5 Disks - **£14.00** - *IFF Various 4*
Castles, Houses, Cartoons >> Tweety, TMNTurtles, Speedy, Daffy and more!
EMC Volume 74 - 5 Disks - **£14.00** - *IFF Various 5*
Office Equip., Clothing, Computers, Electrics, Office Borders and Bus.People.
EMC Volume 75 - 5 Disks - **£14.00** - *IFF Various 6*
AmF'ball, Basketball, Soccer, Hunting, Fishing, Martial Arts, Flowers and More.
EMC Volume 76 - 5 Disks - **£14.00** - *IFF Various 7*
Masks, Household, Fantasy, Clipart, English Stuff, Footwear and more!

OTHER FONTS AND CLIPART

EMC Volume 2 - 6 Disks - **£16.50** - *PC ClipArt*
.gem structured clipart and .img clipart. Computers, Borders and lots more!
EMC Volume 3 - 2 Disks - **£ 6.00** - *P'stream Fonts*
34 Pagestream format fonts, compatible with all versions of Pagestream.
EMC Volume 21 - 6 Disks - **£16.50** - *PCX Clipart*
For P'stream users - Animals, Cartoons, Cats, Computers, School, Sports etc.
EMC Volume 32 - 6 Disks - **£16.50** - *IMG ClipArt*
For P'stream users - Animals, Food, Cartoons, Plants, Insects and Drinks.
EMC Volume 33 - 6 Disks - **£16.50** - *IMG ClipArt*
For P'stream Users - People, Christmas, Buildings, Sports and Transport.
EMC Volume 48 - 5 Disks - **£14.00** - *ColorFonts*
54 4,8 and 16 color fonts for DPaint, Scala, Opalvision etc..
EMC Volume 49 - 5 Disks - **£14.00** - *ColorFonts*
63 4,8 and 16 color fonts for DPaint, Scala, Opalvision etc..
EMC Volume 18 - 5 Disks - **£16.50** - 60 *PDraw Fonts*
EMC Volume 19 - 5 Disks - **£16.50** - 63 *PDraw Fonts*
EMC Volume 20 - 5 Disks - **£16.50** - 50 *PDraw Fonts*
Typesmith Demo Disk *£3.50*
Pagestream2 Demo Disks *£6.99*
Opalvision Update Disks *£6.99*

256 IFF COLOUR GRAPHICS FOR AGA AND 24 BIT AMIGAS

Standard IFF256 format pics that will load directly into any 24 bit or AGA application, such as Dpaint 4.5, Opalvision, ADPro etc. You can use these pics as WB backdrops on A1200/A4000's.

EMC Volume 88 - 6 Disks - **£16.50** - *256 Cars 1*
Ferraris, Corvette, Mercs, Formula 1, Sports Cars and more!
EMC Volume 89 - 6 Disks - **£16.50** - *256 Cars 2*
Porches, Lambos, Classic, E-Type, and US Sports Cars
EMC Volume 90 - 6 Disks - **£16.50** - *256 Planes 1*
Falcons, Spitfire, Bombers, F-14's, Tomcats and more!
EMC Volume 91 - 6 Disks - **£16.50** - *256 Planes 2*
F-15's, F-16's, Harrier, B17's, Stealth Bombers and more!
EMC Volume 92 - 5 Disks - **£14.00** - *256 Space 1*
The Earth , NASA Space Shots, Lots of Planets and more!
EMC Volume 93 - 5 Disks - **£14.00** - *256 Space 2*
Enterprises, Space Shuttles, NASA Shots and more!
EMC Volume 94 - 5 Disks - **£14.00** - *256 Women*
Lots of Beautiful Women and Models
EMC Volume 95 - 5 Disks - **£14.00** - *256 WildCats*
Lions, Tigers, Leopards and lots of other WildCats!
EMC Volume 96 - 6 Disks - **£16.50** - *256 Horses 1*
Running Horses, Foals, Rodeo Horses and more horses!
EMC Volume 97 - 6 Disks - **£16.50** - *256 Horses 2*
Horses in the snow, Horses on the beach and more Horses!
EMC Volume 98 - 5 Disks - **£14.00** - *256 Dogs 1*
Alsation, Labrador, Cute puppies and even some ugly ones!
EMC Volume 99 - 5 Disks - **£14.00** - *256 Dogs 2*
Setters, Cute Dogs with Cats, Cute Puppies and more!
EMC Volume 100 - 6 Disks - **£16.50** - *256 Cats 1*
Really cute and humorous pictures of Cats and Kittens!
EMC Volume 101 - 6 Disks - **£16.50** - *256 Cats 2*
More really cute and humorous pictures of Cats and Kittens!
EMC Volume 102 - 6 Disks - **£16.50** - *256 WaterLife*
Dolphins, Whales, Frogs, Fish, GoldFish and lots more!
EMC Volume 103 - 6 Disks - **£16.50** - *256 Sun & Sea*
Just about everything from Tropical Islands to Sandy Beaches.
EMC Volume 104 - 6 Disks - **£16.50** - *256 Animals 1*
Pandas, Deers, Bears (all types), Zebras and lots more!
EMC Volume 105 - 6 Disks - **£16.50** - *256 Animals 2*
Elephants, Gorillas, Chimps, Monkeys, Seals, Koalas and more!
EMC Volume 106 - 6 Disks - **£16.50** - *256 Animals 3*
Wolves, Moose, Cougar, Kangaroo, Fox Pups and lots more!
EMC Volume 107 - 6 Disks - **£16.50** - *256 Animals 4*
Lizard, Squirrels, Walrus, Kittens and lots of Other Animals.
EMC Volume 108 - 6 Disks - **£16.50** - *256 Panorama 1*
Forests, Mountain Rivers/Lakes, Waterfalls, Rainbows and more.
EMC Volume 109 - 6 Disks - **£16.50** - *256 Panorama 2*
Snow Topped Mountians, MountianLakes, Waterfalls, Streams etc.
EMC Volume 110 - 6 Disks - **£16.50** - *256 Panorama 3*
Rolling Hills, Snow Scenes, Farms, Small Harbour, and Lots more!
EMC Volume 111 - 6 Disks - **£16.50** - *256 The Sun*
Sunrises and Sunsets from Cities to Lakes to Deserts!
EMC Volume 112 - 5 Disks - **£14.00** - *256 World People*
American/Amazon Indians, Hawaiians, Africans and more!
EMC Volume 113 - 6 Disks - **£16.50** - *256 America*
Grand Canyon, Vegas, CeasarsPalace, White House etc.
EMC Volume 114 - 6 Disks - **£16.50** - *256 Castles*
Castles with Moats, Castles on Mountains, Castles on Rivers etc..
EMC Volume 115 - 6 Disks - **£16.50** - *256 The World*
From around the world - Egypt, Japan, Italy, France, England etc.
EMC Volume 116 - 5 Disks - **£14.00** - *256 Birds 1*
Parrots, Humming Birds, Flamingos, and lots more Birds!
EMC Volume 117 - 5 Disks - **£14.00** - *256 Birds 2*
Ducks, Eagles, Hawks, Owls, Winter Birds and more Birds!
EMC Volume 118 - 5 Disks - **£14.00** - *256 Birds 3*
Swans, Falcons and lots of birds that we can't identify!
EMC Volume 119 - 6 Disks - **£16.50** - *256 Fantasy 1*
Warriors, Dragons, Female Warriors and lots more!
EMC Volume 120 - 6 Disks - **£16.50** - *256 Fantasy 2*
Dragon Lance pics, Dracula, Skull Warriors and lots more!
EMC Volume 121 - 6 Disks - **£16.50** - *256 The Movies*
Batman, Starwars, Top Gun, Terminator, Indy, Karate Kid etc..
EMC Volume 122 - 5 Disks - **£14.00** - *256 Renders 1*
Rendered Dragons, Glasshouse, Medcedes cars and more!
EMC Volume 123 - 5 Disks - **£14.00** - *256 Renders 2*
Rendered Bugs, Chess Boards, Various Rooms, F-18 and more!
EMC Volume 124 - 5 Disks - **£14.00** - *256 Renders 3*
Rendered kitchens, Bowling, Insects, Cameras and more!
EMC Volume 125 - 5 Disks - **£14.00** - *256 Girls 1*
Beautiful Women dressed in very little...Blood boiling!
EMC Volume 126 - 5 Disks - **£14.00** - *256 Girls 2*
Beautiful Women dressed in very little...Blood boiling!
EMC Volume 127 - 5 Disks - **£14.00** - *256 Girls 3*
Beautiful Women dressed in very little...Blood boiling!
EMC Volume 128 - 6 Disks - **£16.50** - *256 Water Girls*
Beautiful Women under Waterfalls, at the Pool and very wet!
EMC Volume 129 - 5 Disks - **£14.00** - *256 Swim Suits*
Beautiful Women, of all shapes and sizes, in Swimsuits.
EMC Volume 130 - 5 Disks - **£14.00** - *256 Bikinis*
Beautiful Women, of all shapes and sizes, in Bikinis
EMC Volume 131 - 5 Disks - **£14.00** - *256 Beach Girls*
Women on the beach, the kind of babes you see in Baywatch!
EMC Volume 132 - 5 Disks - **£14.00** - *256 Lingerie*
Beautiful Women, of all shapes and sizes, in Lingerie.
EMC Volume 133 - 5 Disks - **£14.00** - *256 Star Trek*
High quality pictures of the NCC1701, TNG/ TOS characters etc..
EMC Volume 134 - 5 Disks - **£14.00** - *256 Various 1*
Mixture of pics. mainly of Women & Fantasy...Starter volume!?
EMC Volume 135 - 5 Disks - **£14.00** - *256 Reptiles*
Snakes, Frogs, Lizards, Crocs and some amazing pics of Dinos.

SPECIALISING IN THE PROMOTION OF DTP ON THE AMIGA
AND
WINNERS OF THE 1992 AMIGA SHOPPER TOP TYPEFACE AWARD

P S D
THE PROFESSIONAL STANDARDS FOR DISTRIBUTION
ENDORSED BY COMMODORE UK

TYPE 1 FONTS

All EMC's Type 1 Fonts are compatible with Pagestream, The Publisher, Final Copy2 rel2, Final Writer and Imagine 2.9+

EMC Vol. 4 - 5 Disks - £14.00 - *67 Type1's*
EMC Vol. 5 - 5 Disks - £14.00 - *63 Type1's*
EMC Vol. 6 - 5 Disks - £14.00 - *83 Type1's*
EMC Vol. 7 - 5 Disks - £14.00 - *68 Type1's*
EMC Vol. 16 - 5 Disks - £14.00 - *76 Type1's*
EMC Vol. 17 - 5 Disks - £14.00 - *79 Type1's*
EMC Vol. 27 - 5 Disks - £14.00 - *56 Type1's*
EMC Vol. 29 - 5 Disks - £14.00 - *80 Type1's*

NEW TYPE 1 FONT VOLUMES

Converted, by EMC, from MAC PD Truetype format fonts.

EMC Vol. 77 - 5 Disks - £16.50 - *78 Type1's*
EMC Vol. 78 - 5 Disks - £16.50 - *69 Type1's*
EMC Vol. 79 - 5 Disks - £16.50 - *84 Type1's*
EMC Vol. 80 - 5 Disks - £16.50 - *71 Type1's*
EMC Vol. 81 - 5 Disks - £16.50 - *106 Type1's*

TYPE 1 FONTS

CG SCALABLE FONTS

All EMC's CG Scalable fonts are compatible with all versions of PPage, PSetter2/3, WWorth, WB2/3, Scala Opalvision and DPaint 4.1+ etc.

EMC Vol. 8 - 5 Disks - £16.50 - *61 CGFonts*
EMC Vol. 9 - 5 Disks - £16.50 - *64 CGFonts*
EMC Vol. 10 - 5 Disks - £16.50 - *57 CGFonts*
EMC Vol. 23 - 5 Disks - £16.50 - *58 CGFonts*
EMC Vol. 24 - 5 Disks - £16.50 - *64 CGFonts*
EMC Vol. 25 - 5 Disks - £16.50 - *66 CGFonts*
EMC Vol. 26 - 5 Disks - £16.50 - *71 CGFonts*
EMC Vol. 30 - 5 Disks - £16.50 - *59 CGFonts*
EMC Vol. 31 - 5 Disks - £16.50 - *60 CGFonts*

NEW CG SCALABLE FONTS

These fonts originated as MAC Format Truetype Fonts.
These volumes are now supplied, due to popular demand, with Postscript downloadable fonts!

EMC Vol. 82 - 5 Disks - £16.50 - *53 CGFonts*
EMC Vol. 83 - 5 Disks - £16.50 - *48 CGFonts*
EMC Vol. 84 - 5 Disks - £16.50 - *46 CGFonts*
EMC Vol. 85 - 5 Disks - £16.50 - *46 CGFonts*
EMC Vol. 86 - 5 Disks - £16.50 - *34 CGFonts*
EMC Vol. 87 - 5 Disks - £16.50 - *38 CGFonts*

CG FONTS

ECAPSULATED POSTSCRIPT CLIPART

Suitable for Pagestream, PPage 4.0 and Final Writer.

EMC Vol. 12 - 6 Disks - £16.50 - *EPS Clipart*
Weddings, Houses, Office, Kids, Mil.Planes, Boats, Food.
EMC Vol. 13 - 6 Disks - £16.50 - *EPS Clipart*
Buildings, Animals, Sport, Aircraft, Hols, Chefs, People.
EMC Vol. 14 - 6 Disks - £16.50 - *EPS Clipart*
Houses, World, Music, BiPlanes, Males/Females etc..

EPS

PICK 'N' MIX SERVICES

We offer you not one...but TWO Pick 'N' Mix Services!

The first of these is a Pick 'N' Mix Font Service. We are the first to admit that it isn't an original idea, but we implement it properly! For example all CG Scalable fonts can be supplied with postscript downloadable fonts (if required) - ***Who else supplies them?*** *The service is simplicity itself...just send off for one of our FREE information packs for full details.*

The second of our PNM services is for Clipart. We believe this to be the first service of its type on ANY computer platform. To date, this service has already proved to be extremely popular.

So what is the Clipart PNM service? Well, basically if you are ever in need of ***HIGH QUALITY*** *clipart on a particular subject...this service could be for you. For example if you are in need of a disk full of flowers, business people, medical equipment or even teddy bears...just contact us and we will create a disk (or disks) tailor made to meet* ***your*** *requirements.*

THE EMC COMPETITION

Win £50 worth of fonts and clipart!

Yes, here's your chance to get £50 worth of fonts and/or clipart for nothing. All you have to do is answer a few simple questions! Full details are included in the EMC Information pack. Winners will be announced in our adverts!

AWARD CONSTRUCTION KIT 2

"...the package is excellent..." Amiga Computing - August 1993
and ACK received an 85% rating in CU Amiga - August 1993

VERSION 2...Now available...New Features and 25% Faster

This ever popular Award/Certificate creation program has now been improved even more. Available exclusively from E.M.Computergraphic

£39.99 Including VAT and UK postage/packing
European - add £4.50 for reg. airmail + Data Disks £1.00 each
Rest of World - add £6.50 for reg. airmail + Data Disks £1.50 each

ACK 1 to ACK 2 upgrade £15.00
Data Disk 2 - 11 New Borders, 14 New Fonts & 3 New Seals - £15.00
Data Disk 3 - 62 New Styles complete with Graphics - £15.00

THE MAGAZINES HAVE SAID...

Amiga Computing in issue 52 said...
"E.M.C. are the FIRST and FOREMOST Font distributors in the UK"
they then placed us at...No.1 in the TOP 10 of the Amiga hardware/software chart!

Ian Wrigley from **Amiga Shopper** in issue 16 said...
"...I must say that I'm quite impressed..."

Amiga Format in issue 36 said...
"...E.M.C. have an enormous amount of expertise in the tricky area of fonts and can provide professional help and advice to customers"

Amiga Format Special Edition said...
"...the best value rescalable fonts available anywhere...there's no cheaper way of getting quality fonts"

CUAmiga in the issue of September '92 said...
"...you couldn't do much better than taking a look through the sets offered by E.M.C."

Amiga Shopper January 1992 gave Safari Fonts and EMC...
"The Top Desktop Publishing Typeface Award For 1992"

Pat McDonald from Amiga Format in issue January 1992 said...
"The best person to talk to about fonts, in the UK at any rate is Errol at E.M.C"

Amiga Mart November 1992 said...
"EMC's emergence into the cut-throat retail area has come none too soon, their service and technical backup is second to none."

EMC has no need to offer you any sort of font guarantees...
...OUR FONTS WORK!

Our competitors claim to have the largest font collections in the UK...
...YEAH RIGHT! (Maybe they should check their facts before making such claims!)

AND...BELIEVE IT OR NOT, WE DON'T HAVE TO WAIT FOR EMC TO RELEASE MORE VOLUMES BEFORE WE CAN EXPAND OUR LIBRARY!

E.M.COMPUTERGRAPHIC

Font, Clipart and Software suppliers to over 6,500 happy customers!

Our so called competitors claim to offer outstanding technical support and service. If this is true why do the following companies and institutions pefer to buy their DTP software from us?
MICROPACE UK, MERIDIAN DISTRIBUTION, CENTRAL TELEVISION, MERIDIAN SOFTWARE, FIRST COMPUTERS, BLITTERSOFT, OMEGA PROJECTS, THE INSTITUTE OF MATERIALS, THE UNIVERSITY OF LONDON, ALPHABET PUBLISHING, DIGITAL MULTIMEDIA SERVICES UK, THE IMPERIAL WAR MUSEUM AND MAJORVISION INTERNATIONAL

WE ASK YOU...CAN ALL THESE CUSTOMERS BE WRONG?

EMC HAS RECEIVED MORE EDITORIALS, REVIEWS AND PROMOTION IN THE UK AMIGA PRESS THAN ALL IT'S COMPETITORS PUT TOGETHER...HAVE THEY EVER HAD ANY?

...DON'T THESE FACTS TELL YOU SOMETHING?

More fonts, More Clipart, and unrivalled Tech Support!

COMPUTER SAFARI Desktop Publishing Typefaces

E.M.C. are the exclusive UK and European distributors for the HIGHLY ACCLAIMED commercial Computer Safari range of DTP Typefaces.
Safari fonts are of exceptional quality, contain FULL character sets and have been highly praised in the UK Amiga press.
For those of you that have already purchased, or have information on the Safari fonts, we would like to inform you that Safari compilation packs are now available.
Full details of the Safari DTP Typeface collection are included in the EMC information pack.

To get a copy of the ***FREE*** *EMC information pack, which includes full details of our PD and Shareware font and clipart library, Computer Safari Fonts and the Award Construction Kit...*

SEND US AN A5 SAE WITH 25P POSTAGE OR A 25P STAMP AND YOUR ADDRESS

The information pack details ALL the fonts we have on offer along with full printouts, a font and clipart compatability guide, and many example printouts from our clipart collections.

MasterCard VISA EUROCARD
E&OE
Credit Cards Welcome - Same Day Dispatch - £10 minimum order
Cheques / Postal Orders payable to: ***E.M.COMPUTERGRAPHIC***
Cheques are subject to 5 working day clearance

E.M.COMPUTERGRAPHIC

8 Edith Road, Clacton, Essex. CO15 1JU
Tel : 0255 431389 Fax: 0255 428666

EMC

Expert views on the latest applications

Advanced

So, what are the limitations of ARexx's string handling routines? Well, for a start, they are a bit too fixed and rigid, a bit too literal, if you like. Essentially, ARexx offers three methods of parsing a text: It can detect individual words in a text, such as text separated by so-called "whitespace", which is computerese for blanks, new lines, tab stops and the like; it can search and find specified characters in a text; and it can find text in specific numerical such as the tenth character in a string. These methods can be used in combination, and with a bit of smart coding they can be very powerful.

The weaknesses start to show when you want to parse for a string that is not so rigidly defined; perhaps a string that is defined by alternative choices, or by what it does not contain, or even by the characters it contains, but not necessarily in the correct order.

Searching

For instance, suppose you want to write a routine that searches a text either for the pattern "abc", or for the pattern "xyz". You will have to perform at least two separate operations (two checks) before you have your result.

There is no way in standard ARexx to formulate the idea: "search the text for either pattern 'a', or pattern 'b', and notify when you have found it", in one step.

The same applies in all the other examples above – whereas it is not too difficult to get the desired result, quite a few steps are needed to get there! Searching the same piece of text several times over before you find what you want can be quite wasteful, and can make your programs slow.

With a bit of thought, you will realise that it should be possible to check through a given text only once, testing for all alternative patterns as you go along, much like a human reader would.

After all, if you want to find out whether a text contains any of the words "dog", "cat" or "mouse", you do not read it three times! What is needed is an appropriate notation that will allow us to specify the alternatives we are searching for, and an algorithm to perform the search efficiently.

In other words, we want a sort of super-flexible pattern matching notation that will also allow "wild" characters, negatives and alternatives.

A notation like this does exist, and it is known as "regular expressions". Regular expressions play a very important role in computing, and for good reason.

The notation of regular expressions is extremely powerful; for instance, it can be used to analyse any stream of characters in order to see if the words they form belong to a certain language or not – whether that language be English, Latin, Basic or ARexx.

This notation has now become more or less standardised (there are small variations), and is used whenever a computer language is designed or analysed.

However, despite their power, regular expressions are quite easy to use, and are useful for scores of other jobs too – some of them a lot more common than computer language design .

Even the ordinary AmigaDOS file wildcards like ? and #? (where p#?.info means any file starting with "p" and ending with ".info") are simply a very small subset of the regular expression concept.

Other examples include pattern matchers for finding crossword clues, database enquiry systems that can accept incomplete specifications, and, of course, the good old word processor spelling checker that gives you alternative suggestions.

There are also several programming languages – especially languages that are intended for text processing – that have a built-in ability to handle regular expressions, such as Perl and Awk. Anyone who has worked with these languages will miss their power and flexibility when having to use ARexx.The history of regular expressions is closely tied in with the development of software science, and there is a lot of literature on the subject – anyone who wants to find out more should consult a book on compiler fundamentals or lexical analysis.

Every computer programming hobbyist will gain from a study of regular expressions – but the good news is that you do not have to understand any of the theory in order to use the system effectively.

Well then, why not combine the best of both worlds? It would seem that ARexx and regular expression have a lot to offer each other. This idea prompted me to action. I knew that there were quite a few freely distributable function libraries to handle regular expressions, so I set out to see if I could adapt any of them to ARexx.

I didn't need to go far before I found that this had already been done! On Fred Fish disk number 444 I found Stephen Moehle's *regexp.library*, which has a ready-to-go ARexx interface.

This neat little library adds five new functions to the system, the two main ones being REIndex(string,pattern) and RESubstr(string,pattern). These do almost exactly the same job as ARexx's built-in Index(string,pattern) and Substr(string,position) functions, but instead of specifying a fixed pattern or a position, you specify a regular expression, as defined in the library's documentation.

As always, please remember that before you can use any external ARexx library you must first add it to the system, either by issuing the command rxlib xxx.library 0 -30 0 at the Shell, or by using the AddLib() function in the same way in your program. If ytou want the library to be available at all times you should add the "rxlib" line to your user-startup. To

.	any character except newline
$	the end of a line
:	whitespace
:a	any alphabetic character
:d	any digit
[...]	any of the characters ... in the brackets
[^...]	any of the characters ... not in the brackets
+	one or more occurrences
*	zero or more occurrences
\	takes the next character literally (used for symbols)

Diagram I: Some regular expression symbols

give you a quick taste of what this is like, we will look at some examples. Diagram I gives a brief summary of the main elements of regular expressions. Note that it is by no means a complete list! In the examples that follow I have tried to strike a balance between simplifying the ideas as much as possible so that they are readily understandable to newcomers, and not to be too repetitive.

There is an important advantage when using regular expressions to parse a string of characters. The standard ARexx technique of parsing a string with patterns, returns the first string that matches the pattern.

Loopholes

However, there might have been a more general instance that also matched the pattern, in which case it would have been truncated and lost. For instance, suppose we are searching a text for words beginning with the letters "pr" and ending with "es", using some code like:

```
PARSE VAR text  bitbefore 'pr' xxx 'es' bitafter
word = 'pr' || xxx || 'es'
```

If the word "processes" was encountered, the resulting word would be "proces", as the last "ses" would be cut off and lost. Using regular expressions along with ARexx gives us a neater way to do the job, and the resulting code is much faster.

```
pattern = ' [Pp]r[^: ]*es[\.,!: ]+'
DO FOREVER UNTIL text = ''
word = RESubstr((' ' || text) , pat-
tern)
PARSE VAR text  bef (word) text
END
```

The regular expression pattern above is explained in Diagram II. Other than that little explanation is needed. A blank is added in front of the string each time – this is necessary because any trailing whitespace or punctuation is removed by the last [\.,!:]+ pattern.

It also takes into account the case of the first word in the text. Note that the word will still have to be stripped of the



string handling

One of the main strengths of ARexx is the ease and elegance with which it handles strings of characters. But even here there is room for a lot of improvement, as Alex Gian reveals

There is also the problem of ensuring that only single words are checked (avoiding multiple word combinations, where one word starts with a "pr" and a subsequent one ends with "es", such as "prime fees").

We could specify blank spaces in the parse string (before the "p" and after the "s"), and this would work fairly well, except it would still not take account of punctuation marks, tabs, newlines and so on.

In fact, the "formal" way to do this under ARexx would be to parse the text word by word, strip any extraneous characters and check whether each word meets our requirements. The code for this would be a few lines longer, and it would run a much slower, but it would work correctly. Notice that if we had to allow for capitals, we would need an extra check.

```
DO FOREVER UNTIL text = ''
PARSE VAR text candidate text
candidate = Strip(candidate,'!,.')
/* the next two lines check our conditions */
IF Pos('pr',candidate)=1 AND LastPos('es',candidate)=2
THEN word = candidate
END
```

' [Pp]r[^:]*es[\.,!:]+'

	First character is a blank
[Pp]	Second character is "p" (upper or lower)
r	Third character is "r"
[^:]*	Any number of characters but no whitespace
es	followed by lowercase "es"
[\.,!:]+	A full stop, comma, exclamation or whitespace (one or more)

Diagram II: Regular expressions are easy to understand if you break them down!

punctuation marks.

Another useful example is the parsing of a full pathname in order to extract the actual file name. Suppose you have a pathname such as "DH0:subdir1/subdir2/dir/myfile". In the past we have dealt with this situation in two ways. The more common alternative is to find the position of the last slash, and then parse by position to get the file name.

```
n = lastpos
PARSE VAR pathname =n filename
```

The other alternative is to parse the name recursively using the pattern "/" until you get to the last one. This is more involved, but can be useful if you also want to know how many levels down you are.

The regular expression that deals with this problem is simply ".*/"

```
location = RESubstr(pathname,'.*/')
PARSE VAR pathname (location) filename
```

Obviously this example is trivial, but it illustrates the point very clearly. Regular expressions will return the longest possible string that matches the pattern, and not the first occurrence.

I am sure that if you do any sort of utility programming, you will find regexp.library a very welcome addition to your libs: drawer. I must point out that this implementation is still a bit weak, mainly because it does not allow for bracketing and repeated patterns.

I hope the situation will be remedied soon. After all the code is freely available – all that is needed is to convert it into an ARexx library.

● *Next time we will look at a very simple and easy to use graphics library, that will let you add impressive interfaces to your utilities.*

AMIVISION SOFTWARE present

PowerBase v3.30

"the best value user-friendly database on the Amiga"
Amiga Computing, Sept 93

- Up to 10,000 records on a 1Mb Amiga
- Easy to use – pull down menus, VCR style control panel, separate pop up menu with the most used functions and on-line help
- 8 POWERful field types, include IFF pictures (even in HAM mode) and unlimited length text files into your records. Calculate fields automatically from others
- Incredibly powerful record filtering
- Lightning fast searching (2 types) and sorting (3 types)
- Label printing, reporting and many other printer options
- Design an unlimited number of form layouts
- Output data to screen, printer, labels or file for mail merging
- View your records in 4 powerful modes:- page, record, table and the new form layout
- Hard disk installation utility, extra utilities and example files
- Other features include:- timed auto save, alarm, many preferences (including a printer preferences section), add/edit fields at any time, record calculation, key macros, keyboard shortcuts, password protection, PAL/NTSC screen modes, personalised, intelligent date fields, easy record editing and much more all from one package

"An essential purchase"
Mr T Wagstaff, Mansfield

See review this month
Amiga Shopper

"PowerBase is a program designed with ease of use in mind"
Amiga Computing

"Great database"
Amiga Format Gold Award

"the finest example of business software to date"
"Incredibly easy to use"
CU Amiga

"I have never seen such a powerful database that costs so little before, nor have I come across such a polished program that is so easy to use"
9/10 – Amigamaniac Magazine

Taking the market by storm, find out why

Complete with detailed instruction manual for just £14.95!

FREE FREE FREE
Working demo disk & catalogue
Send SAE or 20p to cover P&P

OTHER AMIVISION SOFTWARE PRODUCTS INCLUDE:-

(FREE catalogue available upon request)

WORD POWER v2 – Complete word utility (Crossword/anagram solving + loads more) 36,000+ word dictionary	£9.95
POWER PLANNER – Personal organiser (diary, address/telephone book, automatic reminders, regular events etc)	£5.00
MENU POWER – Create menus for your disks (add an IFF picture to the background – stunning)	£5.00
FORMULA ONE CHALLENGE v4 – Complete simulation for 1-4 players, very detailed includes 1993 season	£14.95

THE POWER COLLECTION
PowerBase v3.30, Word Power v2, Power Planner, Menu Power and Disk Power
SPECIAL OFFER * SAVE £10 – ORDER NOW FOR JUST £24.95!

All programs require 1Mb memory and are compatible with ALL Amigas including A1200
Prices fully inclusive for UK. Overseas orders please add £1 P&P
PLEASE MAKE CHEQUE/POSTAL ORDER PAYABLE TO:- S. RENNOCKS.
Dept. AC, 1 Cherrington Drive, Great Wyrley, Walsall WS6 6NE

GREAT AMIGA OFFERS

The Premier Library of Wales - Now Established over 5 years - 1000's satisfied customers worldwide

BUSINESS
+1667 NORTHC v1.3 latest C Comp
+1560 DATABASE MASTER Amos
+1599 FAMILY HIST. Genealogical
+1558 ARCHIVIST Easy data store
+1558 NOTEBOOK make book
+1544 TYPING TUTOR Practise
1560 SPREAD & QBASE Spread & DB
+1387 PASCEL COMPILER v1.2A
+1392 P-SUITE Make Disk Mag
+1393 A-GENE Genealogy
+1376 AMIBASEPRO Best Database
1375 Rim-5 Relational Dbase

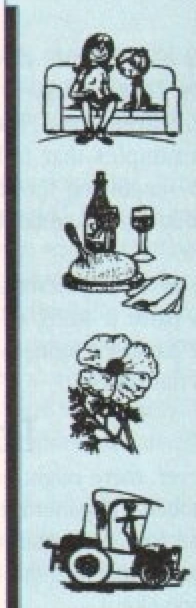
EDUCATIONAL
+1690 MATHS DRILL for young
+1691 A-D SCIENCE 4 disk progs.
1297 TREAS. SEARCH Find it!
1274 LEARN & PLAY 1 Maths
1275 LEARN & PLAY 2 Multi Drills
1284 EDUCATION1 German etc
1285 EDUCATION2 Globe Drawmap
1286 EDUCATION3 Evolution, etc
+1287 EDUCATION4 Weath Gavity
+1887 FRACTIONS & SILH Y
2004 FIREWORK ALPHABET
2005 WORLD GEOGRAPHY

★★NEW GAMES★★
+1911 3 SHOOT 'EM Games Y
+1911 LERXECESS Hangman Game Y
+1624 AMOS CRICKET Y
+2300 WIBBLE WORLD Y
+2000 FRUIT SALAD
+2001 STORM EAGLE Y
+2002 LEDDINGS Y
+2003 MR & MRS Y
+1935 TAKE 'EM OUT Y
+1936 RESCUE Y
Lots more great games available
ASSASSINS Game Disks 1-130

A1200 Only
1856 1200 Slideshow 1 Mansell Pics Y
1857 1200 Slideshow 2 Wild Life Y
1858 1200 S/show 3 Great starpics Y
1859 1200 Slideshow 4 girls Y
1860 1200 S/show 5 cam. & Tiger Y
1873 Fantasy Style s/show 2 disks Y

CLIP ART
+1396/9 CHURCH & BIBLE 4 Disks
+1406 STUDENTS 16 brill pics
+1407 BUSINESS CLIP Office life
+1504 OLYMPIC 22 sports pics
+1505 SEALIFE 48 sea-related pics
+1506A/b SPORTS 1 Sports 2 disks
+1402 GIRLS 1920's style art.
+1507A/b SCHOOL Educat. 2 Disks
+1395 HORNBACK Handdrawn pics
+1508 SILOUHETTES Shadow pics
+1510 SHOWTIME 37 related pics
+1509 VEGGIES detailed pictures
+1511A TEDDIES Lots of Teddy Bears
+1511B TEDDY BEARS Disk two
+1512 FOOD & KITCH. 2 disks
+1403 SMARTART III 100+ pics
+1513 MORE SPORTS about 40 pics
+1514 ANIMALS wild & pet
+1515 CATS Wild & pet moggies
+1516 HOLIDAYS Public Hols
+1525A-E PUNCH (mag)CLIP 5 disks
+1527 OFFICE 32 pics equipment
+1592A-B KIDS (at play) etc 2 Disks
+1405A WEDDINGS Good & varied

ASSASSINS PACKS
Pack 10 Games Disks 91-100
Pack 11 Games Disks 101-110
Pack 12 Games Disks 111-120
Pack 13 Games Disks 121-130
Any ten ASI games disks £8.99



Lot of great NEW CLR Titles

All CLR titles, CD-ROM, FISH, SCOPE, T-BAG, AMICUS, SNAG

Softcell Services

25 Maywood, Brynna, Pontyclun, CF7 9PZ

Order HOTLINE 0443 238630

99p per DISK plus £1.00 p&p per order

+=OK A600
Y=OK A1200

1000's of programs Available - Free Catalogue - Great PC Library

AMIGA REPAIRS

Repairs undertaken to Amiga 500 computers at £44.95 inclusive of parts, labour, VAT and return postage/packing

Commodore registered for full technical support

Computers repaired in the quickest possible time

All machines will be overhauled with a full soak-test to ensure optimum reliability

Entrust your machine to the experts, full 90 day warranty

Repairs to disk drive and keyboard also included (extra charge possible if found to need complete replacement)

Repairs to other Commodore systems undertaken - phone for details

Upgrades and expansions supplied and fitted - phone for details

£44.95

COLLECTION SERVICE AVAILABLE

To take advantage of this exceptional offer, simply send or hand deliver your computer to our workshop complex, address details below, enclosing this advertisement voucher, payment, fault description, return address, along with your daytime and evening telephone number and we will do the rest.
Should you require Group 4 Security return delivery, simply add £5.00 to the repair charge.

WTS Electronics Ltd Chaul End Lane Luton Bedfordshire LU4 8EZ Tel 0582 491949 (6 lines)

(We reserve the right to reject machines which, in our opinion, are beyond repair- Normal charge applies)



Managing your time

How to keep your head when making a film –all is revealed in the third instalment of Adam Phillips's video making story

The cast and crew have been chosen. You've given the script to the actors and the storyboards to the camera operator. In bed at night, you lie awake tossing and turning, juggling queries and doubts about the video that want to be answered.

Where should I place the mike for optimum sound quality in a four-way, one shot conversation? Am I good enough to direct a team of 20 people? It's four o'clock in the morning and I still have a day job to get up for. The answer to any worries is to keep organising. Next up on the list of priorities is to call a production meeting. This involves the crew but not the actors. At the moment, props and set dressing lists, scheduling and location hunting involving a recce are probably your main concerns. Remember to delegate – don't try to do everything yourself, your crew is there to help.

With amateur videomaking, relying on people's goodwill is very important. Laying your hands on props and items for the locations can be difficult but you'll be surprised at how interested and generous people can be when asked for a favour concerning a film.

Start with either a letter or phone call to the shop or owners of a particular location or prop you want to use and explain your situation and needs in straightforward terms emphasising that the video is non-profit making but you intend to enter the film into international competitions.

Offer them a chance to see the final result and ask if they would like a credit in the end titles for their troubles. Also promise to send the exact times and dates of when and where you want to shoot in writing.

When permission is gained, make sure it is given in writing (people can "forget" especially if shooting in a pub, club or shops) then the next step is the location hunt or recce.

This is used by the director, camera operator and PA to take a look round various possible settings for the video.

EXPERIMENT

Try to take a camera or camcorder with you to get some shots of the location to take back and study in more detail. While there, discuss with the camera operator what ideas you have for the shooting of the scene. Storyboards can be altered or completely changed so don't be afraid to experiment.

Give him or her space to express their ideas as well which, like the story creation stage, can help to trigger more ideas and form a better working relationship – show people at this early stage that you trust and respect them and their own opinions.

If you do, they'll enjoy working for you and that means they'll work harder, producing better results over the rest of the shoot.

Check out how practical it will be to set up lights, tripods, sound equipment and so on. Count the amount of power points there are in the place – you may need extension leads and four-way adaptors.

Another important point often overlooked by amateur crews until it's too late and the entire buildings fuse box is blown, is to remember to calculate the amount of electricity being used by all the equipment – lights in particular can have a nasty habit of overloading and shorting the system.

Above all, be practical first and creative second. Assess what is available to you and work from there. If the groundwork is done then the inspiration will grow from it.

On successfully attaining the basic tools for the film, the next and probably most difficult stage especially with an inexperienced PA, is to sit down and sort out the scheduling for the entire shoot.

PLANNING

If this is your first time then it is still important to have a tight if lenient time structure. Firstly, it will make yourself and the crew more motivated and focused.

Secondly, if you turn up at a location and the owner see a slack and decidedly denergised mass of disorganised people then they may well change their minds and kick you out of the building. You may be an amateur videomaker but act in a professional manner.

It is very unlikely and often impractical to shoot a script in order. Time, access and the hassle of shifting gear back and forth to certain locations are usually the main reasons for shooting out of order.

Break the script down into each scene and work out through the storyboard and shooting script (a list of all shots used in the video where each is numbered) and estimate as accurately as you can with the PA how long each one will take to film.

If the shots in a particular scene are relatively difficult to achieve, such as a moving shot with the camera operator using a wheel chair, try and take any difficulties into account.

Once decided, take a lump of time needed to shoot the entire scene and organise it into the overall shooting day. Do this with all the scenes and arrange them into schedule with dates and times. Try and give yourself emergency space in case of going over schedule.

When completed, call a meeting for both crew and cast to check that there will be no problems with dates clashing and to inform everyone of exactly what is going on to avoid confusion later.

If it all seems like a huge and monstrous amount to think about, remember to take everything one step at a time and you'll find that all the pieces of the jigsaw will slot into place.

Calling all the heroes

Once everybody has agreed to the schedule, the next stage is to create call sheets. These document the exact times, locations and people that will be needed on each day.

Distribute them to everyone involved either at the beginning of the shoot or, more practically, the evening before each shooting day so that the information or any changes are up-to-date and accurate.

AMIGA REPAIRS

FIXED CHARGE ONLY £42.99 incl.

FIXED CHARGE INCLUDES PARTS, LABOUR, DELIVERY, VAT
90 DAY WARRANTY ON ALL REPAIRS
24 HOUR TURN-AROUND ON 95% OF REPAIRS
ALL UPGRADES PURCHASED FROM US FITTED FREE WITH REPAIR
INCLUDES REPAIRS TO DRIVE & KEYBOARDS, ADD £10.00
IF NEED REPLACING, FULL DIAGNOSTIC TEST AND SERVICE

Est 12 Years

In Stock — **SPECIAL OFFERS** — New Low Price

INTERNAL 3.5" DRIVE *Simple to fit, fully documented*	£38.99	**A500 MODULATOR** *Exchange repair*	£18.80
ROM SWITCHER *Keyboard/mouse switched*	£14.95	**A500 KEYBOARDS** *Factory new, genuine part*	£44.10
KICKSTART 1.3 ROM *For software compatibility*	£25.00	**FATTER AGNUS 8372A** *1 Meg chipram compatible*	£36.50
KICKSTART 2.05 ROM *Upgrade to A500+ Rom*	£29.90	**CIA IC** *Printer, serial, drive ports*	£9.20
SUPER DENISE *Excellent value*	£28.70	**GARY IC**	£11.50
		PAULA IC	£19.95
68000 CPU	£15.00	**A500 PSU**	£25.00

⚠ ATTENTION ALL DEALERS ⚠
Our company now offer the most competitive dealer repair service. Full credit facilities available. Send for our Free information pack today...

We reserve the right to refuse repair for whatever reasons.
Prices only valid with this coupon
Service HOTLINE (0533) 470059
DART Computer Services
105 London Road
LEICESTER LE2 0PF

DART Computer Services

£1 GVB-PD £1

AMIGA PUBLIC DOMAIN

DEPT AC1, 43 BADGER CLOSE, MAIDENHEAD, BERKS SL6 2TE
TEL: 0831 649386 ALMOST ANYTIME

FREE CATALOGUE DISK WITH ORDER — Inc P&P

SMALL BUSINESS SUPER PACK only £10
10 DISKS TO HELP YOU WITH YOUR FINANCES ALMOST ALL YOU WILL EVER NEED
ACCOUNTS–DATABASE–DOCDUMP–WORDPROCESSOR–FORMS UNLIMITED–600 LETTERS–DTP–LABEL PRINTERS

VISION & SOUND 2000 only £2 Inc P&P
PLAY IT–HEAR IT–SEE IT–SHOW IT–READ IT–2 DISKS CHOCKABLOCK
As reviewed in CU Amiga – 87%
WILL ALMOST DO IT ALL

I STOCK THE VERY LATEST ASSASSINS GAMES DISKS
ANY 100 DISKS ONLY £75 INC POSTAGE
PLEASE MAKE CHEQUES & P.O. OUT TO G.V. BROAD

FOR A CATALOGUE DISK SEND 3 FIRST CLASS STAMPS OR 4 FIRST CLASS STAMPS TO INCLUDE MY FISH CATALOGUE DISK & FISH 1 TO 930

EdWord Professional V4.1

The latest release of the user friendly shareware text editor is now available. It will run on ALL Amigas (1MB recommended) and has been specifically updated to take advantage of WorkBench 2.0; although it will still function under V1.2 and V1.3. The latest version offers the new facilities...

ONLY £10.00 (inc. VAT + P&P)

- Edit up to 15 documents at once with an optional split screen facility to view two of them together
- ARexx port boasting over 100 commands. Can run your favourite 5 scripts at the press of a button
- Macro facility to record/playback sequences of keypresses, mouse clicks, menu selections etc.
- PowerPacker support: can decrunch packed files
- Powerful printing options including setting margins, page size, page numbering, draft/NLQ, pitch size, tractor/single sheet, output to a file etc.
- Text Casing facility to force certain keywords into a particular case (e.g. PRINT, WriteLn, printf etc.)
- Ability to define and run 3 separate AmigaDOS commands from within the editor.
- Symbolic Indentation feature which automatically indents your source code as you type it!
- For WorkBench 2.0 users: AppWindow support, an Iconify feature and ASL file requester support.
- Ability to alphabetically sort blocks of text
- Can define the path gadgets on the file requester
- Can assign strings of text to the 10 F-Keys
- Auto Save; Word Wrap; Bookmarks; Built-in Calculator; Match Brackets; Auto Indent; Word Count; Save Icons; Make Backups; Strip EOLN...
- Totally configurable to the user's own taste
- Large and extensive hypertext help system in AmigaGuide format (with viewer program)
- HardDrive install utility (using the official Commodore Installer)
- Send blank disk & S.A.E for demo version

Please make all Cheques/Postal Orders payable to : M.Reddy
Martin Reddy, Lossiemouth House, 33 Clifton Road, Lossiemouth, Moray, IV31 6DP

Experience profound relaxation and improved creativity – from just £229!



"The MindLab is an electronic relaxation device that alters your brainwaves through the use of rhythmic light and sound" – ***Playboy***

Create virtually any mental state you require, using the new **MindLab** – a state-of-the-art light-and-sound generator. Years of research have shown that the human brain will tune into the frequency of flashing lights and tones – which is why flickering flames are relaxing, and why rhythmic drumming fires your imagination. From the **MindLab**'s 25 carefully crafted programs you can choose the results you want – and get them fast:

RAPID RESULTS

- ***Relax effortlessly*** – and feel refreshed after a 20 minute session
- ***Feel energised*** with heightened awareness
- ***Stimulate your creativity*** – and experience vivid mental images
- ***Accelerate your learning*** – ideal for listening to study tapes
- ***Sleep deeply*** – a safe and drug-free solution

It's so easy to use: simply slip on the goggles, put on the headphones and press a couple of buttons to select the program you require. You'll achieve rapid results with just 15 to 25 minutes of use a day – and the experience is fun!

IT'S EXPANDABLE

What's more, the **MindLab** is infinitely expandable: its unique extra ***PolySync*** circuitry allows you to transfer up to 25 new sessions from tape within 15 seconds. With your unit you will receive a special tape containing 42 further sessions – in addition to the 25 that are built-in – created by experts in the field of mental fitness. *(More new programs are available now!)*

HERE'S WHAT YOU GET:

- Sturdy and stylish custom-moulded **MindLab** unit – use it anywhere
- Soft-touch buttons for selecting from four tones, adjusting the pitch, adding 'binaural beats' and more
- Reflective goggles with red LEDs, and lightweight stereo headphones
- Crystal clear 15-page user manual
- FREE tape with 42 new sessions, and the astonishing *Revitalyzer* tape
- FREE lead to connect a tape unit – ideal for listening to relaxing music or study tapes
- Built-in rechargeable batteries
- Mains charger/adapter
- One year guarantee



All this for just £299

Or, you can choose the **Neuro-Synchronizer** (identical to the **MindLab** but without the down-loading facility) for just **£229**. *(You can upgrade later for £70.)*

In addition, if you order now, we will send you a FREE 36-page guide to light-and-sound machines written by Michael Hutchison, the best-selling author of *MegaBrain.*

• NB: These units are not suitable for those who have had epileptic seizures.

ORDER YOURS NOW!

Ring Chris or Geraldine on 0625 858885 to place your order or ask any further questions – or fax them on 0625 850551. Office hours: 8.30am to 7pm and beyond.

Alternatively, fill out the coupon below, and send it to: ***MindLab Offer, LifeTools, Dept AMC1, FREEPOST SK1852, Poynton, Stockport SK12 1FZ*** *(no stamp needed).* We endeavour to despatch your order on the day we receive it by 48-hour courier, but allow 28 days for delivery just in case.

FREE catalogue! Send for a **FREE** catalogue of all our products including biofeedback units, air ionisers, accelerated learning courses, deep relaxation tapes, ground-breaking books and more.

All prices include VAT. Trade enquiries welcome.

LifeTOOLS *New technology for a more fulfilling life*

AMC1

Please send me the items marked below. I understand that if I am not completely satisfied I can return my purchase within 15 days for a full refund.

❑ Please send me:

Qty	*Items*	*Price*	*Total*
___	MindLab	£299	£___
___	NeuroSynchronizer	£229	£___
___	36-page guide to light-and-sound	FREE	
	Packing and Parcel Force delivery	£3.50	
		Total:	£___

❑ Please send me the full LifeTools catalogue.
❑ I enclose a cheque for £__________

❑ Please debit my Access/Visa number: ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐
Expiry date: _____
Signature ______________
Name ______________
Address ______________
______________ Postcode ______

Whether you're a dedicated muso or just an interested bystander with a shiny new machine, getting into Amiga music can be much cheaper and simpler than you might imagine.

To start we'll look at the market from the bystander's position, highlighting the cheap and cheerful products which for as little as £2 will allow any beginner to create music on a par with that found on commercial games software.

As you've probably guessed we're talking PD and more precisely MED – a program that's been the premier PD soundtracker clone for longer than most Amiga musos would care to remember.

Due to the prolific success and countless updates – courtesy of its creator Teigo Kinnunen – the PD libraries are literally fit to burst with countless revisions of the aforesaid MED.

However, if you're after the very latest offering – alias OctaMed v5 – Seasoft Computing is the first place to look, primarily because they have managed to obtain exclusive rights to distribute the eight-track licenceware version which comes in at a full package price of around £30. For more information contact Seasoft Computing on 0903 850378.

Although eight channels may sound more attractive than the four track shareware alternative, the additional tracks do not play samples but merely sequence Commodore 64 style synth sounds.

For the beginner these additional tracks aren't essential, and as a result, the four-track PD program is perhaps the ideal choice for testing the water prior to the larger investment in the licenceware alternative. Almost all the major libraries carry the four track version for around £2. When ordering be sure the software on offer is at or around v3.20.

Like all the soundtracker clones, MED employs standard 8-bit samples as its primary sound source. These can be either created yourself or alternatively there's a wide selection of pre-recorded effects and instruments that can be bought direct either on disk or CD from PD libraries or dedicated sample suppliers.

If you're happier with pre-recorded sounds, quality commercial sources include the Zero-G Datafile which carries both CD and disk-based collections, and is available direct from Time and Space at PO Box 306, Herts HP4 3EP. Tel: 0442 870681.

Although excellent quality the vast majority of the Zero-G samples are heavily dance-oriented with assorted scratches and popular hook lines. For any would-be DJs or rave fans the collection is ideal; however if you're planning to build original tracks from the ground up, the next collection is probably a more attractive proposition.



Sound advice

Paul Austin points out the best selection of software for the musical beginner

If you fancy an alternative to rave tunes, the Sample Series from those loveable Mancunians at Software Technology could have an ideal alternative. Unlike the Zero-G collection the Sampler Series is comprised entirely of sounds borrowed from the latest synths. If you're interested in a more purist's approach to audio plagiarism, you can get the aforesaid collection from: Software Technology, I-Mex House, 40 Princess Street, Manchester M1 6DE. Tel: 061-236 2515/4.

The ultimate band

If you're still undecided as to the filling for your post-Christmas musical stocking, Blue Ribbon can supply an intermediate package which allows the user to employ their own or pre-recorded samples as part of an automated six-part accompaniment.

The software, entitled SuperJam1.1, allows you to begin building a bridge between the internal sounds of the machine and the world of Midi.

It works by allowing you to assign any one of numerous styles which then form the framework within which your five automated musicians will literally jam along.

All you need do is add the basic melody and play your part as the lead soloist. No matter what chord progression you add the other members will automatically play a suitable accompaniment.

PURPLE POP

For example, if you specify a rock-style with a chord progression of say E minor, G and A, your automated bass player is almost certain to rip straight into Smoke on the Water!

OK, nobody said the package is perfect but with a bit of practice you can generate perfectly acceptable lift music easily, which can then be worked into a pseudo-original or perhaps employed directly as backing music on various multimedia exploits.

Besides the fun and functionality of the package, the beauty is that SuperJam1.1 is equally at home with Midi information as it is with converted Amiga samples. If you're looking for an affordable and interesting introduction to composition plus both an educational and speedy production tool, SuperJam1.1 is ideal.

Easy Midi

If you're looking to side-step the internal talents of the Amiga altogether, there are a whole selection of budget conscious sequencers waiting in the wings.

Although all of the programs listed are primarily aimed at Midi, they also all fully support the machine's internal talents with equal enthusiasm.

Although not a particularly strong selling point in the eyes of serious users, it does mean that if Midi music is your goal but finances mean a wait for the necessary hardware you can still come to terms with the software thanks to inexpensive Amiga samples.

Ideal choices for any potential investor include Sequencer One Plus, MusicX, B&PPro2 and TigerCub, the first of which is perhaps the ideal choice boasting an extremely user-friendly editing system and intuitive design.

On the downside, Sequencer One Plus isn't the cheapest, as the now rather elderly but still usable MusicX easily lays claim to that particular title. MusicX was, in its day, easily the hottest item on the Amiga music scene, and it still remains a viable option especially if you're prepared to shop around – although it has been superseded by the others when it comes to ease of use and added features.

The final option is to throw caution to the wind and invest in Bars & Pipes Professional v2 – which although far from cheap offers a degree of expandability only equalled by KCS 3.5.

The reason for the B&PPro2 bias as opposed to KCS is simply that although the two are on a par for power, B&PPro2 is much easier to master for the outright beginner.

If you think that in time you may be in the market for a real power package, it could be worth tracking down a copy of TigerCub. This is basically a very cut-down version of the bigger KCS sequence. However it does provide a great opportunity to familiarise yourself with the KCS environment prior to taking the plunge into KCS 3.5.

DMC PRODUCTS • DMC PRODUCTS • DMC PRODUCTS •

High Quality Diskettes & Fax Rolls

BRANDED DISKS Boxed in 10s & Shrink Wrapped

3.5"	DS/DD	10	£5.40	5.25"	DS/DD	10	£4.15
3.5"	DS/HD	10	£7.50	5.25"	DS/HD	10	£6.15

Disks by Sony, 3M, Dysan, KAO, etc.
Minimum order quantity two boxes of 10 disks

UNBRANDED DISKS Boxed in 50s

3.5"	DS/DD	50	£22.00	3.5"	DS/HD	50	£31.00

LOCKABLE DISK BOXES
100 x 3.5" Disk Capacity £4.50

SOFTWARE

MSDOS	Version	6	£47.00
WINDOWS	Version	3.1	£45.00

HIGH QUALITY FAX ROLLS
30 Metres £2.50 50 Metres £3.75 100 Metres £6.99
Prices cover 210/216mm widths & all core sizes

All items offered are 100% Guaranteed. PRICES INCLUDE VAT & POSTAGE
Please send cheques, Postal Orders to:
D.M.C. PRODUCTS, 6 Leaper Street, Derby DE1 3ND
Tel: 0332 42747 Fax: 0332 47244 E&OE

DMC PRODUCTS • DMC PRODUCTS • DMC PRODUCTS • DMC PRODUCTS

GLOBAL PD

GLOBAL PD
PO Box 1000
Stanford-le-Hope
Essex SS17 7DW

Tel: 0375 676048
or 0375 675721
(10am-4pm Mon-Sat)

Please make cheques/postal orders payable to "GLOBAL PD"

We stock a huge range of AMIGA public domain software.
Over 10,000 titles available.
Swift and helpful service.
Same day dispatch*.

** Excluding cheques.*

Send 80p or a blank disk & 1st class stamp
FOR OUR CATALOGUE DISK

All disks are £1.00 each. Postage & packing 90p
Choose an extra free disk for every £6.00 spent!

KT's P.D. (SOFTWARE)
THE FAST AND FRIENDLY LIBRARY
FOR THE AMIGA USER
500 • 500+ • 600 • 1200

GAMES
- 18 HOLE GOLF (2) +Y
- FRUIT SALAD +Y
- NEIGHBOURS (2) +Y
- AMOS FRUIT II +Y
- TETRIS AGA 1200
- ROAD TO HELL +Y
- DELUXE PACMAN +Y
- BOMJACKY +Y
- PACMAN RETURNS +Y
- G. PRIX MANAGER +Y
- INTENSE +Y
- STARBASE 13 (2) +Y
- TEXAS CHAINSAW +Y
- EGG BLASTERS +Y
- STAR TREK (2) +Y
- 21 GAMES +Y
- MOTOROLA (2) 1200
- BONDMINE 12 + Y
- MR MEN OLYMP (2) + Y
- JELLY QUEST + Y
- SKID MARKS + Y
- ATTACK + Y
- SYSTEM DEFENDER + Y
- FATAL MISSION 2 + Y
- DINOWAR + Y

DEMOS
- TROJAN TECKNO +Y
- 1200 INTROS AGA
- S.O.T.A. SPACEBALLS +Y
- PHOENIX DEMO +Y
- HOY DEMO AGA1200
- HOY MIND WARP 1200
- DEMON D/LOAD (2) +Y
- KEFRENS D.A.N.E. +Y
- 3D DEMO 2 +Y
- MAYDAY RES +Y
- ODYSSEY (5) +
- JESUS ON E's (2) +
- WICKED SENS (2) +Y
- BRAINSNATCHER +Y
- THE WALL (6) +Y
- RETINA EURO +Y
- OH NO MORE VECTS +Y
- PYGMY EXTEN +Y
- ANOTHER BOR YEAR +Y
- MADE IN CROATIA +Y
- KEFRENS D/DRMS (2) +Y
- CROMAGIC 1200
- POINT OF SALE
- FREAKS BODY (2) AGA
- FIT CHICKS 1200 (2)

MUSIC
- OCTAMED 2 +Y
- MED V3.2 +Y
- MED MODS1 +Y
- MED MODS2 +Y
- DRUMLOOP SAMPLES+
- PRO SAMPLES 1 +Y
- PRO SAMPLES 2 +Y
- MEGA SAMPLES (5) +Y
- MEGA MODULES (4) +Y
- OCTAMED 4 DEMO +Y
- PROTRACKER 3.15 +Y
- CHIP MAN SAMPLES +Y
- MUSIC MADNESS +Y
- CYMBERNEX MOD +Y
- BEAT BOX (2) +Y
- RHYTHMIC ORGY +Y
- GHOSTBUSTERS +Y
- SHAMEN MIX +Y
- CHURCH MUSIC +Y
- KT'S LITTLE MODS +Y
- XMAS SONGS +Y
- DISK DRIVE SONG +Y
- DATA X THE VICTIM + Y
- DATA X TRILOGY + Y
- DESSERT + Y

UTILS
- D-COPY 3.1 +Y
- LOCK PICK 2 +Y
- ENGINEERS KIT +Y
- FREECOPY 1.8 +Y
- AMIGA BEGINNER +Y
- KICK 1.3 +Y
- 500+ EMULATOR
- MAVRICK COPY +Y
- VIRUS ALERT +Y
- SKICK V4B +Y
- MENUMASTER 3 +Y
- ANDYS WB3 UTILS +Y
- TETRA COPY +Y
- CRACK & COPY UTIL +Y
- FAKEMEM +Y
- PRINTER DRIVERS +Y
- EMULATORS IBM ETC +Y
- HARD DRIVE UTILS +Y
- WB3 BACKDROPS Y
- NUMPAD (600 ONLY)
- SPECTRUM 1.7 +Y
- HI RES ICONS (3) +Y
- TEXT ENGINE 4 +Y
- V-MORPH 2 +Y
- PC TASK 2 +Y

UTILS
- LITTLE OFFICE +Y
- 24 BIT UTILITIES +Y
- PRINT STUDIO +Y
- SID 2 +Y
- NCOMM3 +Y
- VIEW TEK v1.5 +Y
- POOLS WIZARD +Y
- PYSCO COPIERS + Y
- OCTATUTOR + Y
- STV STUFF + Y
- XBEAT PRO + Y
- FONT FARM 3 + Y

ANIMS
- HIGH FLYIN +Y
- DAMBUSTERS (2MEG) +Y
- ROADHOG (2) (2 MEG) +Y
- SNOWJOKE (2) (2 MEG) +Y
- DOLPHIN DREAMS +Y
- WEATHERMAN +Y
- JUGGLER +Y
- REVELATIONS SS +Y

KICK 1.3
FOR 500 + A600
KICK FOR 1200

CDs for A570
17 BIT COLLECTION
£38 + 70pp

100 ASSASSINS DISKS £75
INCL P&P. 1-140

NEW AMIGA CD32 + OSCAR + DIGGERS
Only £288.99

SPECIAL PACKS
3 OBJECTS & TEXTURES. 7 DISKS OF IMAGINE FORMAT 3D OBJECTS & TEXTURES £700 INC. P&P

BUSINESS PACK
6 DISKS, EVERYTHING YOU NEED FOR YOUR BUSINESS £600 INCL. P&P

ADOBE 1 FONT PACK
8 DISKS FULL OF FONTS FOR YOUR DTP WORK £800 INCL P&P

GRAPEVINE
DISK MAGAZINE BY L.S.D.
OUT NOW ISSUE #17 (3 DISKS)
ONLY £3.00

CLR LICENCEWARE

EDUCATIONAL

- CLE001-2 DINOSAURS (2 Disks) Very informative Jurassic Park on the Amiga! £4.50.
- CLE002-2 GEOLOGY (2 Disks) £4.50.
- CLE003-3 SOLAR SYSTEMS. Excellent education titles, teaches you all about the stars & plenets (3 Disks) £4.99.
- CLE004 COLOURING PAD £3.50.
- CLE005 A-CHORD £3.50.
- CLE006 TAMI £3.50.
- CLE007-2 FRESH WATER. Fishing (2 Disks) £4.50.
- CLE008 NIGHT SKY. £3.50.
- CLE009 WORDS & LADDERS. Snakes & Ladders for kids. £3.50.
- CLE010-3 BASICALLY AMIGA. Tutorial for beginners (3 Disks) £4.99.
- CLE035 SOLAR SYSTEMS II £4.99

UTILITIES

- CLU001 VIDEO TITLES. £3.50.
- CLU003 TYPING TUTOR. £3.50.
- CLU004 ALPHA GRAPH. £3.50.
- CLU005 SAS MENUMAKER. £3.50.
- CLU007 PHILO. £3.50.
- CLU008-2 WORDFINDER PLUS. Solves crosswords etc. (2 Disks) £4.50.
- CLU009-2 PLAY N RAVE V2. Module linkers (2 Disks). £4.50.
- CLU010 POWER ACCOUNTS. Powerful accounting software. £3.50.
- CLU011 CALC. £3.50.
- CLU012 VIRTUAL WINDOWS. PC Windows Clone. £3.50.
- CLU013 DATOS. £3.50.
- CLU014 STOCK CONTROLLER. Keeps stock under control. £3.50.
- CLU015 EPOCH DIARY. £3.50.
- CLU016 CROSS STITCH. £3.50.
- CLU021 INVOICE MASTER. £3.50
- CLU022 HARD DRIVE. Menu system. Easy to use menu system. £3.50.
- CLU023 F15 ANIM BRUSHES. Animation brushes for dpaint 3/4. £3.50each.
- CLU024 LOTUS ANIM BRUSHES.
- CLU025 STARFIGHTER BRUSHES.

SPECIAL OFFER
Any order over £15 received will automatically qualify for a 3.5" disk drive cleaning kit (worth £2.99) absolutely free.
WHILE STOCKS LAST

HIGH QUALITY HARDWARE

8mm High Quality Mouse Pad	£2.99
Amiga 500/500+/600/1200 Dust Covers	£3.99
Philips 8833 Monitor Dust Cover	£5.99
3.5" Disk Drive Cleaning Kit	£2.99
Printer Stand (fits all Dot Matrix Printers)	£5.60
Blank Disks (high quality with labels)	£0.50

GET AN UPDATE
Posted to your door every 6-8 weeks containing details of all the new PD releases and a few new utils for you to play with.
1 years Sub for £9.99 (UK)

All Disks **90p** each
Postage: UK Orders 70p; Europe + 20p per disk; World + 40p per disk

HOW TO ORDER: Please make cheques payable with bankers card no., or postal orders, to KT's P.D. (Software). All orders sent 1st Class the same day.
+ = Plus Compatible y = 1200 Compatible (*) = No. of Disks

We stock Fred Fish 1 - 910
CLR Licenseware all titles
Assassins collection up to 140
Also Scope Disks.

Catalogue Disk at 50p, or FREE with your first order
DEPT AC 75, THE DRIVE, ROCHFORD, ESSEX SS4 1QQ
Tel or Fax: 0702 542536 anytime

XMAS OFFER
100 TOP PD GAMES ~~£~~ £8

ORION PD

SPECIAL PACKS

BUSINESS PACK 1	Contains 5 disks	£4.95
BUSINESS PACK 2	A further 5 disks	£4.95
UTILITIES PACK 1	Contains 5 disks	£4.95
FONTS PACK 1	Contains 3 disks	£2.95
CLIP ART PACK 1	Contains 5 disks	£4.95
CLIP ART PACK 2	Contains 5 disks	£4.95
CLIP ART PACK 3	Contains 5 disks	£4.95
CLIP ART PACK 4	Contains 5 disks	£4.95
GAMES PACK 1	Contains 5 disks	£4.95
GAMES PACK 2	Contains 5 disks	£4.95

HOW TO ORDER
Please make cheques with bankers card number or postal orders payable to "ORION PD"
All orders despatched 1st class same day
+ = A500+/A600 compatible, ( ) = Number of disks
* = This program is only WB2/3 compatible

PRICES
1-5 DISKS £1.25
6-19 DISKS 99p
20+ DISKS 89p

POSTAGE
UK ORDERS........75p
EUROPE............£2.00
WORLD.............£4.00

DEPT AC
14 OUSTON CLOSE
WARDLEY
GATESHEAD
TYNE & WEAR
NE10 8DZ
Tel: 091-438 5021

UTILITIES
U001 Electro Cad +
U002 C-Light +
U003 M-Cad +
U004 /D-Copy 3.1 +
U005 Messy Sid II +
U008 Label Designer +
U009 Land Builder +
U011 Opti Utilities II +
U015 Disk Salvage +
U016 Red Devils Utilities +
U019 New Super Killers +
U020 Printer Utilities +
U027 World Databank +
U028 A64 Emulator (2) +
U030 Label Print +
U031 Cross 5.1 +
U032 Sid II +
U033 Print Studio 1.25 +
U034/38 Clip Art (5) +
U039 Gelignite Fonts 2 +
U040 Amibase Pro 2 +
U042 Typing Tutor +
U043 Pro D-Copy 3
U044 Cassette Labeller +
U055 HD Click 2.53 +
U062 Picture Saver +
U071 Icons 1 +
U072 Free Paint +
U073 Gelignite Fonts 3 +
U074 Multiplayer +
U076 Midi Stuff +
U079 Icon Editor +
U081 A-Doc 3.01 +
U083 Cartoon Brushes +
U086 Free Copy 1.8 +
U088 Spectrum Emu 1.7 +
U089 Text Engine 4 +
U092 Pools Tools 2 +
U093 BICS 1.1 +
U099 Business Card +
U100 Amiga Tutorial +
U103 Animation Studio +
U104 Slide Show Maker +
U106 Findex Database +
U108 Filofax +
U110 ASI Megaboot +
U111 RSI Demo Instruction
U115 Emulators 1 +
U117 600 Business Letters +
U120 Magnetic Pages +
U123 North C +
U124/26 C manual (3) +
U128 A-Gene 4.18 +
U129 Education +
U134 Garfield Clip Art +
U138 Forms Unlimited +
U139 PC Task 2.03 +
U140 Animated Requesters +
U141 Video Music Box +
U142 Table of Elements +
U149 Amiback +
U150 JC Graph +
U154 ReOrg +
U157 Zoom +
U159 Disk Print 3.59 +
U161/65 Pro C Manual (5) +
U167 Canon/Star Drivers +
U168 Typographer +
U172 Power Player +
U173 Cross Maze +
U174 Magic File Requester *
U175 ABackup 2.43 +
U176 BBase III 1.3 +
U180 IQ Tester +
U183 The Money Program +
U221 Pro Demo Maker
U223 Font Editor +
U229 Disk Mate 4.1 +
U236 Vertex 3D Editor +
U238 Landscape Gardening
U242 Deli Tracker +
U247 Amiflicker +
U253 Menu Master 3.0 +
U254 Cheque Book +
U255 Blue Rose Fonts 1 +
U256 Video Manager +
U260/64 WB2 Utilities (5)
U271 Degrader 1.3 +
U272 2Kick A600 Emulator
U275 Audio Anim Studio +
U277/81 Colour Fonts (5) +
U282 Nib 2 Copier
U283 Little Office +
U302 Plot Map *
U313 Grinder +
U314 PC <> Amiga +
U334 Slip Stream Utilities +
U338 Blue Rose Fonts 2 +
U339 Wedding Clip Art +
U340 Sound Tracker 2.6 +
U341 Icons 2 +
U363/64 Tarot 2
U371 Lyapunovia 1.5 *
U372 Virus Z +
U380 V Morph +
U382 Cartoon Pictures +
U385 Copy & Crack Tools +
U392 African Clip Art +
U394 Protracker 3.01 +
U395 OctaMed 2 +
U400 Clip Art 4 + Aircraft
U401 Clip Art 24 + Coptic Art
U402 Clip Art 26 + Banners
U403 Clip Art 28 + Butterflies
U404 Clip Art 31 + Borders
U405 Clip Art 32 + Mac Clips
U406 Clip Art 50 + Animals
U410/20 Amateur Radio (11)
U422 Last Will & Testament +
U423 Icons 3 +
U435 A1200 Down Grader *
U443 The Essential Copiers
U445/48 Video Graphics (4)
U449 IMC/PC Emulator +
U450 QA Test +
U459 Printer Drivers 2 +
U463/64 WB3 Utilities * (2)
U562 Easy Print
U565 Kids Paint +
U566 Work Bench Hacks +
U568 Print Tools +
U578 Scenery Construction
U584 Ultimate Disk Creator
U587 D-Paint Fonts +
U611 Font Farm *
U614 Dynamite Fonts 1 +
U621 Race Rater +
U623 Speedy Workbench +
U624/25 Colour Clip Art (2) +
U636 Dir Master *
U638 Mega Cheats 2 +
U641 Custom Icons +
U650 Word Sort +
U651 Address Print +
U657 Adventure Creator +
U662 Pictures & Letters *
U669 Football League Editor
U673 Magnum +
U676 Account Master +
U677 SKick * emulates A500
U678 D-Paint Tutorial +
U679 Hard Disk Uti 2 +
U680 Amiga World +
U681 Fake Fast *
U682 Quadra Composer +
U683 U-Draw +
U684 Payroll +
U685 ASI Games Fix Disk *
U686 Genealogist 3.04 *
U687 Fractuality Demo +
U689 Mr Backup 1.14b +
U691 Kill AGA 2.0 *
U692 LSD Copiers
U693/96 CG Fonts + (4)
U697/98 Tools Magr 2.1 * (2)
U699/703 Education 1 + (5)
U704/08 Education 2 + (5)
U709/12 ASI Audiomagic (4)
U713 ASI Crunch & Copy
U714 ASI Multivision 2 +
U715/17 ASI Handy Tools (3)
U718 Astronomy 1 +
U719/26 Space & Solar Sys (8)
U727 HD Installer *
U728 Oscillograph +
U730 Disk Salvage 2 *
U737 Cheat List +
U738 Planetarium +
U739 Fes Basic +
U749 Print Manager *
U753 Dynamite Fonts 2
U754 EDWord Pro 4.0 +
U755 Dart Machine +
U756 Lockpick 2 + Cheats
U757 Print A Card +
U758 Pools Wizard +
U759 Virus Protection +
U760 Red Devils Uti 2 +
U761 Red Devils Uti 4 +
U762 A1200 Classic Fixes 1 *
U763 A1200 Classic Fixes 2 *
U771 Numpad A600 only
U772 Flashing Bytes Uti 3 +
U773 Dream Paint +

COLOUR CLIPART
U774 Maps 1 +
U775 Maps 2 +
U776 Birds 1 +
U777 Birds 2 +
U778 Birds 3 +
U779 Flowers +
U780 Horses 1 +
U781 Horses 2 +
U782 Insects 1 +
U783 Insects 2 +
U784 Animals +
U785 Mammals +
U786 Instruments +
U787 Military +
U788 Dinosaurs +
U789 Trees +
U790 B+W Clipart People 1
U791 B+W Clipart People 2
U792 B+W Clipart People 3
U793 B+W Clipart People 4
U794 Clipart 20 Olympic
U795 Clipart 47 Animals
U796 Video Production 3 +

GAMES
G001 Compilation 1 +
G002 Compilation 2 +
G003 Compilation 3 +
G004 Compilation 4 +
G006 21 Games +
G007 3D Breakout +
G008 Yelp +
G013 Llamatron
G016 Super Quiz 2 +
G017 Air Ace 2
G021 Hyperball +
G023 Doody +
G027 Fruit Machine 1 +
G029 Jigsaw +
G031 Maths Adventure +
G038 Diplomacy +
G039/40 C64 Games (2) +
G047 Mr & Mrs +
G051 Dragon Tiles +
G054 Soccer League +
G056 F1 Challenge 3.0 +
G082 Monopoly 1 +
G083/84 Star Trek 1 + (2)
G098 Super Pacman 92 +
G100/101 Star Trek 2 + (2)
G110 Fruit Machine 2 +
G113 Top of the League +
G114 Dr Mario +
G115 Soccer Card +
G119 Battle Cars 2 +
G120 Growth +
G129 Tetren +
G187 Total War +
G188 No Mans Land +
G192 New Card Games +
G194 Fruit Machine 3 +
G204 Tennis +
G220 Brat +
G225 Empire +
G235 Master of the Town +
G236 Stock Market Game +
G245 Return to earth +
G257 Chess Tutor +
G258 Ethos + Adventure
G263 Airmania +
G274 Survivor + Adv
G280 Tanks +
G283 Worm Hole +
G286 Lemmingoids +
G289 BugMaster +
G290 Compilation +
G292 Peggles +
G295 Fatal Mission +
G298 Sata + Puzzle Game
G300 Cricket 1 +
G303 Escape +
G306 Dominos +
G307 Trail Blazer +
G308 Games Galore 11 +
G310 Airport +
G312 Roulette +
G314/15 Fanatix + (2)
G316 Games Galore 12 +
G317 Klakris +
G320 Turbo Thrust +
G322/23 Olempiad + (2)
G324 Oblidos
G325 Sky Flyer +
G326 Cricket 2 +
G327 Games Galore 13 +
G328 Mind Games +
G329 Descender +
G330 Compilation +
G334 War +
G335 E-Type 2 +
G336 Box + Adventure
G341 Battle Star + Adventure
G342 Deluxe Pacman 1.4 +
G343 Poker +
G345 Monopoly 2 +
G346 Shuffle Run +
G347 Tank Hunter +
G348/50 Nethack + (3) Adv
G351 Asteroids 2 +
G353 Top Secret +
G354 Tetris AGA *
G355 Bomb Jacky +
G356 Fighting Warriors +
G357 Crazy Sue 2 +
G358 Solitar Golf +
G359 Tennis Pro +
G360 Turbo Thrust +
G361 Mad Bomber 2 +
G362 Wibble World Giddy +
G364 Red Dwarf Quiz +
G365 Star Wars
G366 Battleships
G367 Boulderdash +
G368 Crazy Pipes 2 +
G369 Fruit Panic 2 +
G370 Volley Ball +
G371 Fruit Machine 4 +
G372 Rubik Puzzle +
G373 Aztec Challenge +
G374 Premier Pics +
G375 Monaco +
G376 Desert Defender +
G377 Space Rescue +

ANIMATION
A001 The Walker Demo 1 +
A002 The Walker Demo 2 +
A004 Gymnast Animation +
A006 Star Wars +
A008 Fractal Flight +
A013 Agatron Anim 10 +
A014 Agatron Anim 14 +
A015 Agatron Anim 20 +
A016 Agatron Anim 25 +
A017 Agatron Anim 28 +
A018 Agatron Anim 31 +
A025 Star Trek
A027 Batman Anim
A028 Raiders Anim
A031 At the Movies 1.5Mb
A046 Stealthy Anim +
A047 Vietnam Conflict +
A048/49 Anti Lemmin 2Mb
A050 Stealthy 2 +
A051 Amy v Walker +
A053 King Fisher 1 +
A054 Ghost Pool Anim
A055/56 The Circus Act +
A057 Agatron Anim 37
A058 Kick Boxer
A062 Gulf Conflict + 2Mb
A063 Back from the Beach +
A066 Steam Engine Anim +
A068 Gas Turbine Anim +
A069/72 At the Movies 2 (4)
A075 Car Anim
A090 Flight Anim +
A092 D-Paint Anim 1 +
A093 D-Paint Anim 2 +
A117 Agatron Anim 12 +
A118 Agatron Anim 6 +
A120 Agatron Anim 5 +
A121 Agatron Anim 7 +
A128 Agatron Anim 22 +
A129 Agatron Anim 23 +
A130 Agatron Anim 24 +
A131 Agatron Anim 27 +
A139 Pogo Anim +
A145 Alien Breed 1.5Mb +
A148/49 Scenery Anim (2) +
A150/53 Landing + (4) 4Mb
A158 Canyon Flight +
A163 Robot Head Anim +
A166 Sweet Revenge + 2Mb
A173 Cyclist Anim +
A176/78 Speedlimit (3) 3Mb
A184 Xmas Anim +
A185 Petrol Engine +

DEMOS
D001 Fractals Demo
D004 No Limits Demo
D014 15 Red Sector (2) +
D020 Ray of Hope 2
D021 Alpha Omega +
D022 Voyage +
D024/28 Odyssey (5) +
D030/32 Alcatraz (3)
D035/36 Hard Wired (2)
D037 Iraq Demo
D038 Amos Big Demo +
D039/44 The Wall (6)
D045/46 Jesus on E's (2) +
D049 State of the Art +
D050 In the Kitchen +
D052 LSD Demo 28 +
D053 Intence Rave Vision +
D054 Fish Tank +
D055 LSD Demo 29 +
D056 LSD Demo 35 +
D162 Phenomena Demo
D163 No Limit Collection
D168 A Trip to Mars
D169 Violator
D170 Sunwind
D172 Global Trash +
D173 Aurora Megademo
D178 Darkness Megademo
D182 Harlequin +
D193 Zeus Megademo
D198 Virtual World
D213 Vector Dance 2 +
D269 Alchemy Demo +
D272 Axis +
D275 Kress Mass +
D276 Digital Trash
D283/84 Half Brain + (2)
D287 Gospel Karaoke +
D293 Mellon +
D294 Analog +
D298 Razer Revival +
D301 Deja Vu +
D302 Quartz Illusion +
D314 Get Frogged +
D315 Dane Demo +
D316 Claustrophobia +
D317 Jet Set +
D318/19 Desert Dreams +
D320 Alarm Mega Demo +
D321 Awakening +
D322 A1200 Collection *
D323/24 Sublininal stc *
D325 AGA Demo *

ASI Games 1-130
Assassins Packs
Any 10 = £10 Any 20 = £18
Any 30 = £26 Any 50 = £42
Any 80 = £66 Any 100 = £82
Or singly at normal prices

LSD Legal Tools 1-134
The best utilities collection

Fred Fish 1-910
Fish catalogue £1.25

A1200 Utilities Pack
Five disks £4.95

AGA Slides Pack
Ten disks £9.90

CG Fonts Pack
Five disks £4.95

Fonts Pack 2
Five disks £4.95

Icons Pack
Five disks £4.95

Music Pack
Five disks £4.95

Sound Samples
Pack 1 Five disks £4.95
Pack 2 Five disks £4.95

Astronomy Pack
Five disks £4.95

Fractal Pack
Five disks £4.95

Education Pack 1
Five disks £4.95

Education Pack 2
Five disks £4.95

C64 Games Pack
Four disks £3.95

Disk Copiers Pack
Five disks £4.95

Colour Clipart
Pack 1 Five disks £4.95
Pack 2 Five disks £4.95
Pack 3 Five disks £4.95
Pack 4 Five disks £4.95

Games Pack 3
Five disks £4.95

Games Pack 4
Five disks £4.95

Demos Pack
Pack 1 Five disks £4.95
Pack 2 Five disks £4.95

A brand new friend

Phil South looks at a couple of Amiga-based bulletin boards

First this month a look at some of the boards I've been visiting recently on my travels around the globe via modem. I used to have a phone book on my comms program which stretched from the top to the bottom of the screen, exotic numbers from far flung places.

Then I settled down, like you do if you're a comms head, into visiting only the boards I used regularly. I visit CIX and The Direct Connection, I popped into other sites via Internet, but that has been it. But then I remembered what all those other names on my phone menu were for.

A quick dial-up produced a depressing result. It must be only the best part of six months since I was on all of these boards and almost all of them have vanished, or at least are not on-line most of the time.

Of the ones which were still operating I have chosen a couple which I particularly liked this time around, and they are Cheam Amiga and Essex Amiga.

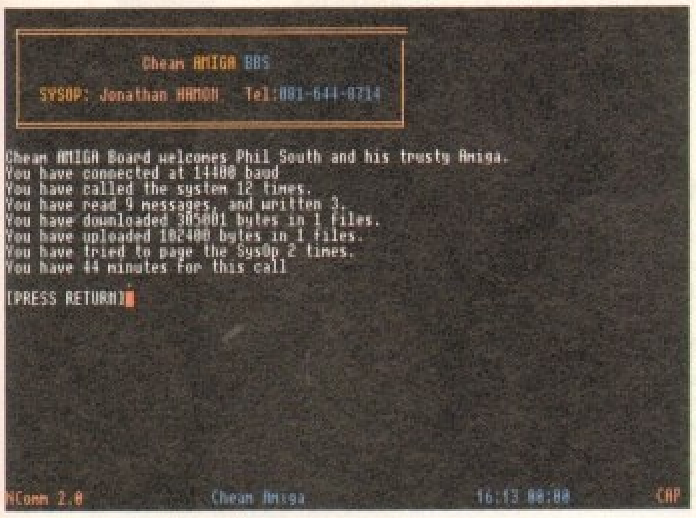
Cheam Amiga

Although not very strong in the graphics department, this is a good solid board with lots to recommend it to the casual network surfer. The file area is particularly good, and if you're local to Cheam then this is one of the fastest and cheapest ways of getting your Fish Disks or the more recent demos.

Some file areas and message bases are better supported than others. I don't know what kind of system the board is run on, but it may not be very large. But, the board is well organised, and has a number of feeds from outside to liven things up a bit.

There's a lot of new games and demos, which seem to be a popular hangout for uploaders as well as downloaders. Some people seem to not care which area they upload to either, so keen are they to get on-line... As well as a healthy sprinkling of BBS software there's also a special area for Jolyon Ralph. Hmm, why does Jolyon need his own file area?

Still, what with the text files, fonts and CanDo support, this is a healthy board with a lot going for it. All it needs is a graphics overhaul and a bit more attention paid to updating the file areas from time to time and it'll be a great little board. Nice one.



A good solid board, but not many graphics

Essex Amiga

Next is the Essex Amiga board, which has better graphics and a lot more going on, although better is a relative term. There is more of everything although as ever I'm not sure if this is necessarily a good thing. I got lost and spoilt for choice on more than one occasion. But having said all that it's a neat and tidy board with lots to look at and bags of stuff to download.



The incentive to upload as well as trough your way through the piles of files is that you have to keep up a respectable upload/download ratio, and the more you take the more you have to give. This is a good way of doing it, and it obviously pays off given the size of the file areas.

As well as all the usual graphics, demos and games, there's also an Imagine support filebase, plus a load of Fidonet software and the UK BBS Newsletter. One of the most popular areas is the Transamiga filebase, as this is the official Transamiga support BBS. It's run on the program and it tells other people how to run it too!

This is a nice, easy to use, good looking and full BBS with loads to read and lots to download. The electronic equivalent of a well run public house.



Essex Amiga can spoil you for choice

Internet corner

Here's a nice, out of the way place you can visit on the Internet in an idle moment:

ftp.eff.org

Home of the Electronic Frontier Foundation, or EFF, who are a group of very high ranking old computer heads like Steve Wozniak who invented the Apple II, John Barlow, Mitch Kapor and many others.

They champion the rights of all computer people to inhabit the electronic frontier, and vigorously oppose any wrongful arrests, like Steve Jackson Games for example.

The FTP public folder is full of very interesting stuff, like electronic magazines and archives of very hard to obtain facts and figures, plus articles and whole books about famous coders, hackers, court cases and so on.

A one-stop resource for the person who's writing a book about computer crime or hacking in the old sense of the word.

Cheam Amiga BBS
(24 hours)
all speeds
Tel: 081-644 8714

Essex Amiga BBS
(24 hours)
all speeds
Tel: 0277 233354

● Phil South can be contacted at his usual email addresses on:
snouty@cix.compulink.co.uk
snouty@dircon.co.uk

ATTENTION AMIGA USERS

ADVANCED AMIGA ANALYSER: Inexpensive diagnostic that works on all Amigas. Amiga Shopper UK magazine gave it a rave review. Uses hardware and point & click software. Plugs into all ports simultaneously and displays eight screens to work from. Shows status of most areas and locates faulty chips. 85% to 90% of the problems presented to service centres are found with this analyser.................. **£47.00 + £10 shipping**

NEW C65 (PAL/220V) COMPUTER: Runs at 1.02 or 3.5 MHz, 128K. Includes built in 3.5 double sided 1581 disk drive and power supply. High degree of C64 software compatibility. All C64 video modes plus 40 & 80 character columns .... **£104 + shipping**

Write to us for low prices on Amiga custom chips and about the 750,000 pounds of Amiga surplus we just purchased.
Dealers: Write to us on your letterhead

Phone hours (British time) 2-11pm Mon-Fri

THE GRAPEVINE GROUP INC.

3 CHESTNUT STREET, SUFFERN, NEW YORK 10901 U.S.A.
INTERNATIONAL ORDER LINE: 0101-914-357-2424
FAX LINE: 0101-914-357-6243

VISA

PATHFINDER PD

(AC), 41 Marion Street, Bingley, West Yorkshire BD16 4NQ

0274 565205 (9.30am to 5.30pm)

Don't let our small advert deceive you! We are now in our third year of trading & have over **6,000** programs in stock. Why not send a stamp for our

FREE PRINTED CATALOGUE

or 85p for the disk version (listing all our titles & A1200 compatibility)

SPECIAL VALUE PACKS

A1200 OWNERS PACK - 5 disks **Only £4.75**
Contains - KICK 1.3 (solves most compatibility problems), WB3 SCREENS (customise workbench), AGA pictures (show off the Amigas graphics), AGA TETRIS (good game with lovely graphics), WINBLEND (create 256 colour fractals) (AA only).

BEGINNERS PD PACK - 5 disks **Only £4.75**
Contains - Database, Wordprocessor, File Manager, Disk Copier & Home Accounts program. (+, AA).

PICK ANY DISK FROM THE ABOVE PACKS FOR ONLY 99p

Listed below are just a small selection of our most popular titles – **ONLY 99p** per disk:-
AA = A1200 O.K. (+) = Plus & 600 O.K.

- **PS65 – A1200 Manga Pics** - (4 disks £3.96) (AA)
- **PU139 – D-COPY V3.1** – The latest version of this popular disk copier. (+, AA)
- **PU131 – ADVENTURE CREATOR** (Write your own games) (+, AA)
- **PG210 – AMOS CRICKET V2** – Update to this popular title. (+, AA)
- **PG187 – ALIEN BASH** – shoot 'em up (+, AA)
- **PG211 – THE LAST REFUGE** – Space invaders – medieval style (+, AA)
- **PG212 – MOTOROLA INVADERS** – (2 disks - £1.98) (AA only)
- **PG209 - ROBOULDIX** - Boulderdash style (+, AA)
- **PG213 – ROAD TO HELL** – Car Racing (+, AA)
- **PG189 – WIBBLE WORLD GIDDY** – (+, AA)
- **PD120 – MINDWARP** – New AGA demo (AA only)
- **PU144 – ASSASSINS FIX DISK** – solves many compatibility problems (AA only)

ACCESSORIES

100 DSDD Disks £39.99
Dust Covers (available for A500 & plus, A600 & A1200 - please state) all at £3.99 each.
Mouse Mat £2.99
Disk Drive Cleaning Kit with software £2.99

POST & PACKING orders under £5 please add 60p, orders over £5 FREE

EXCLUSIVE PD

THE FRIENDLY PD SERVICE FOR ALL AMIGA USERS – SOMETHING FOR EVERYONE

7 Beresford Close, Waterlooville, Hampshire PO7 5UN Tel: (0705) 642409
Office hours: 10am-7pm Mon-Fri, 10am-3pm Sat.

WE STOCK: LSD Legal Tools, Fred Fish, Panorama, APDC, Scope, Amicus, Assassins Games, TBAG, Disk Magazines: Grapevine etc.

Plus a wide variety of software for all Amigas including AGA only software

Full comprehensive Catalogue Disk available for 80p or free to members

DEMOS	UTILITIES	MUSIC	GAMES
Kefrens - Desert Dream (2)	Assassins Multivision #1	Scoopex Play 2 Unlimited (2)	Breaker
Sanity - Interference	Slideshow Generator	Audio Rhythm 2	Ouch!
Spaceballs - State of the Art	Protracker	Digital Concert 5	Super Skoda Challenge
Budbrain Megademo 1(2) + 2(1)	600 Business Letters	LSD: Total Kaos	Flashbier
Nuance - The morning after #18	Clipart #9 (16 Colours)	Modules 4: 808 State	The Golden Fleece
LSD - Simply the Best #56	House Samples (3)	RSI Modules 2	The Holy Grail
Decibel Overload	Icons (2)	Jean Michel Jarre Docklands	Operation Lemming
Dimension X - Retina Demo	Magnum Diskmag Creator	Adamski NRG (2)	Lam
Fraxions Revenge	A1200 Pack (3)	Euphoria 1	**ANIMATION**
Hardwired (2)	NComm	Euphoria 2	Luxo Teenager
Jesus on E's (2)	Spectrum Emulator	Modules 2: Erasure	Singing Frog
Melon - How 2 Skin a Cat	Workbench 2 Utilities	Bad Boyz: Charly	Schwartz - Swiss Army
Rage - Neural Assault	Virus Killers	Trojans Techno Tracks	- Stealthy II
Spaceballs - Wayfarer	AmiBase Professional II	Dire Straits	- Juggette II
			- Soviet Soft Landing

Prices £1.20 per disk for non members. £1.00 per disk for members.
Postage: UK 50p. Europe add 20p per disk. World add 40p per disk
Cheques payable to Exclusive PD

For convenience, Exclusive PD operates a monthly bulletin service for its members to ensure you are aware of all new software as it is available. Phone for full details of the benefits of membership

IF WE HAVEN'T GOT IT ... WE'LL GET IT AT NO EXTRA CHARGE

KOBRAHSOFT PD SOFTWARE

For *FAST* service and the best value in PD. Thousands of titles available for the A570 Rom Drive i.e. Fred Fish disks 1-890, the entire Scope Collection 1-220 (with Cat), AB20 Archives, dozens of games, books, utilities and much more!

PD PRICES

1-9 disks, £1.50 each
10-19 disks, £1.30 each
20+ disks, £1.10 each
For Catalogue Disk send 75p

Unbranded 3.5" blank disks DS/DD		Verbatim 3.5" blank disks DS/DD	
10	£6 + 75p P+P	10	£8 + 75p P+P
20	£11 + £1 P+P	20	£14 + £1 P+P
>20	£10 + £2 P+P	>20	£12 + £2 P+P

Send cheques/POs to:
"KOBRAHSOFT", Pleasant View, Hulme Lane, Hulme, Longton, Stoke-on-Trent ST3 5BH
WE ALSO ACCEPT ACCESS AND VISA
Overseas P+P, Europe add £1, Others £2
For more information, please ring 0782 305244

VISA

BTK

7 Callander Road, Catford, London. SE6 2QA
Tel:-(081)4731650

THE FINAL FRONTIER

This is the highly acclaimed *STAR TREK* diskmag.
Full of interesting features, photos, interviews, exclusive art by T.Richter, music by Bjørn A. Lynne plus MUCH MUCH MORE.
Every *STAR TREK FAN* should have this, order yours now
Issue 6 (5 disks) available now at *£6.50!!! inc p&p*
Five previous issues also available.

NEW**COCKTAIL RECIPIES(5 disks/£15.00)*****NEW***
This volume contains almost 1,000 cocktails, these include Gin, Rum, Tequila, Champagne, Schnapps, Vermouth plus a host of others.

IFF SOUND SAMPLES
These Sound Samples will work with any music package that supports IFF 8SVX. i.e. ProTracker, Octamed, etc. These have been fully sorted, and placed into relavent directories.
(Number of samples shown in brackets)

- ***SAMPLES 1 (6 disks/£15.00)*** (485) BassGuitars, ElectricGuitars, AcousticGuitars, Bells
- ***SAMPLES 2 (5 disks/£12.50)*** (227) Beats, Rap, Brass, Scratch, Flute+more
- ***SAMPLES 3 (5 disks/£12.50)*** (760) Snares, Drums, Violins, Tambourine, Sitar + more.
- ***SAMPLES 4 (5 disks/£12.50)*** (456) Organs, Piano, Harpsichord, Cymbals, Wind + more.
- ***SAMPLES 5 (6 disks/£15.00)*** (398) Strings, Synth, Orchestral, Heavenly + more
- ***SAMPLES 6 (8 disks/£20.00)*** (439) Contains vocal samples from from a variety of areas.
- ***SAMPLES 7 (6 disks/£15.00)*** (141) Star Trek, Cartoons, Star Wars, Monty Python + more.
- ***SAMPLES 8 (5 disks/£12.50)*** (195) Animals, Natural, Around The Home, Vehicles + more.
- ***SAMPLES 9 (5 disks/£12.50)*** (212) Weapons&Explosions, Clocks, Bells, Alarms, Various.

MUSIC MODULES
These can be used in Amos Pro, ScalaMM200, and any other application that supports music modules to add music to your demos/creations. Each volume comes supplied with a music module player, so you can listen to them straight from the disks.

- ***MODULES 1*** *(5 disks/£12.50)* 32 music modules.
- ***MODULES 2*** *(5 disks/£12.50)* 35 music modules.
- ***MODULES 3*** *(5 disks/£12.50)* 35 music modules.
- ***MODULES 4*** *(5 disks/£12.50)* 39 music modules.
- ***MODULES 5*** *(5 disks/£12.50)* 34 music modules.
- ***MODULES 6*** *(5 disks/£12.50)* 41 music modules.
- ***MODULES 7*** *(5 disks/£12.50)* 42 music modules.
- ***MODULES 8*** *(5 disks/£12.50)* 36 music modules.
- ***MODULES 9*** *(5 disks/£12.50)* 37 music modules.
- ***MODULES 10*** *(5 disks/£12.50)* 35 music modules.
- ***MODULES 11*** *(5 disks/£12.50)* 27 music modules.
- ***MODULES 12*** *(5 disks/£12.50)* 29 music modules.
- ***MODULES 13*** *(5 disks/£12.50)* 36 music modules.
- ***MODULES 14*** *(5 disks/£12.50)* 31 music modules.
- ***MODULES 15*** *(5 disks/£12.50)* 34 music modules.
- ***MODULES 16*** *(5 disks/£12.50)* 32 music modules.
- ***MODULES 17*** *(5 disks/£12.50)* 33 music modules.
- ***MODULES 18*** *(5 disks/£12.50)* 35 music modules.
- ***MODULES 19*** *(5 disks/£12.50)* 29 music modules.
- ***MODULES 20*** *(5 disks/£12.50)* 36 music modules.
- ***MODULES 21*** *(6 disks/£12.50)* 37 music modules.
- ***MODULES 22*** *(5 disks/£12.50)* 32 music modules.
- ***MODULES 23*** *(5 disks/£12.50)* 35 music modules.
- ***MODULES 24*** *(5 disks/£12.50)* 36 music modules.
- ***MODULES 25*** *(5 disks/£12.50)* 32 music modules.

CLASSICAL BOOKS
These can be loaded into ANY WP/DTP or they can just be read directly from the disks.

- ***BOOKS 1 (12 disks/£20.00)*** The BIBLE, this has been divided into chapters for easy access.
- ***BOOKS 2 (7 disks/£14.00)*** The BIBLE This volume contains the Bible in continuous form.
- ***BOOKS 3 (8 disks/£16.00)*** Contains the works of SHAKESPEARE too many to mention!!!!!!
- ***BOOKS 4 (9 disks/£17.00)*** Contains a lot of the writings of ARISTOTLEeg. Prophesy, Metaphysics, etc.
- ***BOOKS 5 (5 disks/£10.00)*** Contains the writings of PLATO eg. Law, Crito, Criterias, Ion, Menon etc.
- ***BOOKS 6 (6 disks/£12.00)*** Contains the writings of PLUTARCH eg. Dion, Marcus Cato, Aristides etc.
- ***BOOKS 7 (5 disks/£10.00)*** LEWIS CARROL, BRONTE SISTERS, CHARLES DICKENS.
- ***BOOKS 8 (5 disks/£10.00)*** Contains the works of EDGAR ALLEN POE122 writings from this author!
- ***BOOKS 9 (5 disks/£10.00)*** MARK TWAIN,HENRICK IBSEN,THOREAU, BARONESSS ORCZY
- ***BOOKS 10 (5 disks/£10.00)*** H.G.WELLS and JULES VERNEWar of the Worlds, 20,000 Leagues etc.
- ***BOOKS 11 (5 disks/£10.00)*** HANS CHRISTIAN ANDERSONUgly Duckling, Snowmen and loads more!
- ***BOOKS 12 (5 disks/£10.00)*** JANE AUSTEN and MELVILLEPride & Predujice, Moby Dick and lots more!
- ***BOOKS 13 (6 disks/£12.00)*** CHAUCER, DEFOE. MILTON Robinson Crusoe, Parson's Tale and more!
- ***BOOKS 14 (4 disks/£8.00)*** Contains the diaries of RICHARD FRANKLIN
- ***BOOKS 15 (5 disks/£10.00)*** Contains the works of JACK LONDON and THOMAS PAINE
- ***BOOKS 16 (5 disks/£10.00)*** Religous volume with The Qu'ran, Buddha, Hindu, Shirazi, Sophocles.
- ***BOOKS 17 (4 disks/£8.00)*** Contains PASCAL and KIPLING Jungle Book, Kim and loads more!
- ***BOOKS 18 (5 disks/£10.00)*** Contains LEO TOLSTOY's War and Peace
- ***BOOKS 19 (3 disks/£6.00)*** Contains LEO TOLSTOY's Anna Karina.
- ***BOOKS 20 (4 disks/£8.00)*** Contains CHARLES DARWIN Descent of Man and Origin of the Species.
- ***BOOKS 21 (4 disks/£8.00)*** Contains the works of IMMANUEL KANT Pure Reason and lots more!
- ***BOOKS 22 (3 disks/£6.00)*** Contains MIGUEL DE CERVANTES Don Quixote
- ***BOOKS 23 (3 disks/£6.00)*** Contains ADAM SMITH Wealth of Nations
- ***BOOKS 24 (4 disks/£8.00)*** Contains BRAM STOKER/ ALEX DUMAS Dracula and Man in the Iron Mask

PD WITH A DIFFERENCE

SOMETHING FISHY
Tired of buying a Fish disk for only one program? Then try our unique service "SOMETHING FISHY" For £6.00 you pick the Fish files you want and we will create custom disks for you....Send off for our info pack for full details.

FOR FREE INFORMATION PACK, PLEASE SEND A SAE

Cheques / Postal Orders payable to **BTK**
Cheques subject to 5 working day clearance
E&OE

FRED FISH DISKS 1 - 909
We stock Fish disks to 909
£3.00 each or buy 3 or more at £2.50 each

MICROLAND BULLETIN BOARD SYSTEM

0891 990 505 To Download
0483 725 905 To View

Amiga shareware including files from the Fred Fish Collection plus lots more to download at V32bis, V32, V22bis, V22, V23, & HST 8 data bits, no parity

Why wait for your software when you can download now direct to your computer. Microland offers high speed connections and most files are compressed to minimise the cost. Check it out on 0483 725 905 at normal call charges. So much shareware you are spoilt for choice.

Over 30 file areas including Animations, ARexx Files, Badge Killer Demos, Business, Clocks and Calculators, Commands, Database Directory and Disk Utilities, Display Hacks, Education, File Utilities, Fonts, Fractal and Mandelbrots, Games, Graphics, Icons, Libraries, Programming, and Communications. Area 1 contains file lists for all areas to help you find what you are looking for. Protocols xmodem, ymodem, zmodem, kermit, sealink, and uucp.

Calls to 0891 990 505 charged at 36p per minute cheap rate, 48p per minute all other times.
Trevan Designs Ltd. PO Box 13. Aldershot, Hants. GU12 6YX.

NEW! SWITCHQUIZ

Amazing Question & Answer system with hand held modules, Program & Questions discs. Specialized subject disks available soon.
4 way multi choice format, 2 or 4 player.

SPECIAL INTRODUCTORY PRICE £28.95 (2 PLAYER VERSION)

NEW! DUAL MOTOR KIT £28.95. Ideal for buggies & robot arms.

BUILD YOUR OWN ROBOT

With the **AMIGA INPUT/OUTPUT PORT** £27.95



Temperature & Light Experimenters Kit £11.95

AMAZING SENSOR & CONTROL EXPERIMENTERS KIT £27.95 (£1 OFF if purchased with I/O Port)

6 plug-in Projects. No soldering required. Includes relay module, motor, tilt sensor, reed switch, light bulb, 4 LEDs, powerful software on disk and **FREE "Guide to Amiga Interfacing"**

SWITCHSOFT

Please send cheque payable to SWITCHSOFT or ring Switchsoft on 0325 365773.
Include £1.50 P&P. Overseas add £4
SWITCHSOFT Dept AC194,. 26 Ridgeway, Darlington, Co. Durham DL3 0SF.

FREE INFORMATION AVAILABLE

I saw a mouse...

Where? There on the stair. Phil South looks at Amos mouse co-ordinates

One of the hardest things to get to grips with in Amos is the difference between hardware and screen co-ordinates. This still causes me no end of trouble, and for beginners it must be sheer hair-shirt and back-whipping purgatory.

So in a fit of pique I wrote this program to show up mouse co-ordinates. Load an IFF picture, preferably the one you want to locate the mouse over, and then just read the figures (and write them down) as you move the mouse over the screen.

```
Rem * Mouse Co-ords Toy.Amos *
Rem
Curs Off : Paper 0 : Cls 0
Curs Off
Screen Open 0,640,512,16,Hires
```

So, we start by adding the usual. I've opened a screen here which is hi-res, but you can use the size of screen that your IFF screen is set to. Don't use:

```
LOAD IFF "",0
```

as this will cause problems with Limit Mouse. Next load a picture into your screen:

```
Load Iff "iff_picture.iff",0
```

The reason you might want to do this is that perhaps on the screen you have an object and you want to accurately check out where it is so you can match that to a limit mouse or Set Zone command.

The next bit sets out and prints out the title and the co-ordinates, or at least where they will go:

```
Locate 0,0
Print "Mouse Co-ords Tool v1.2"
Locate 0,1 : Print "X=     " : Print "Y=   "
Locate 0,20 : Print "CTRL-C to stop"
```

So that's how our screen will look.

Now we're into the loop. This is where all the work gets done. First, notice how the variables Y1 and X1 are used. They are loaded with the location of the mouse in the X and Y co-ordinates.

These are of course hardware co-ordinates so we have to convert them to screen co-ordinates. This is done by loading Y2 and X2 with the product of the conversion using X and Y Screen.

```
Do
    Y1=Y Mouse : X1=X Mouse
    Y2=Y Screen(Y1) : X2=X Screen(X1)
    Locate 6,1 : Print X2;"  "
    Locate 6,2 : Print Y2;"  "
Loop
```

And finally, the current screen locations are printed out on the screen at the same spot. Each time the numbers are printed a few trailing spaces are printed too, so that the numbers don't leave behind any confusing extra numbers as they increase and decrease in size (see what happens if you leave out the trailing spaces!).

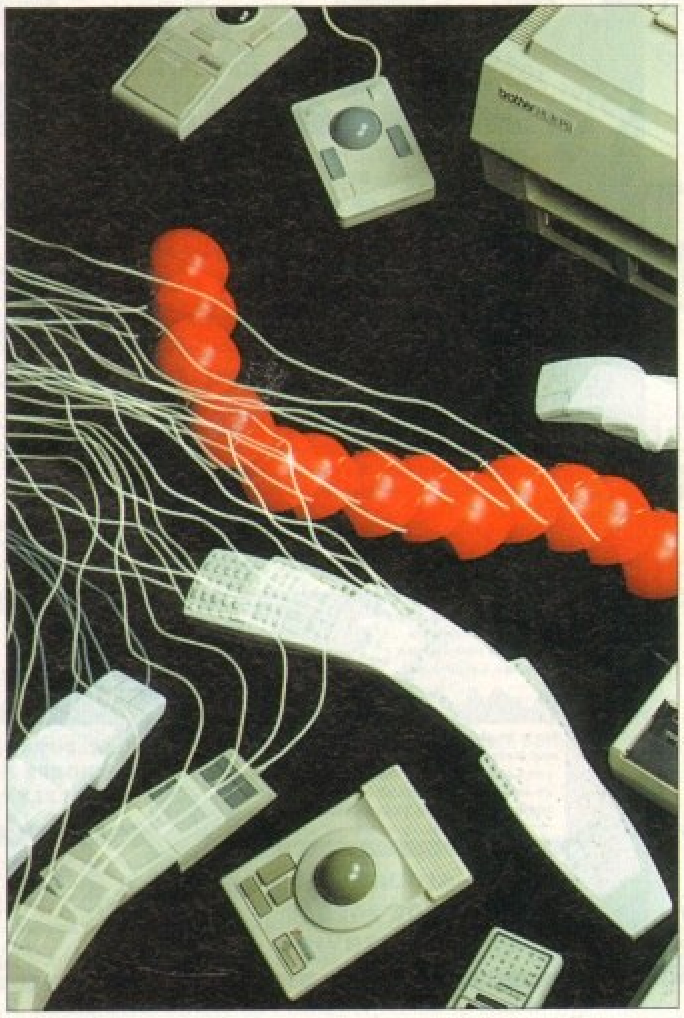
So the thing to bear in mind with object control is the difference between hardware co-ordinates and screen co-ordinates. The X MOUSE and Y MOUSE commands return a hardware co-ordinate so you have to convert that to a screen one for the position to be right.

It's the same with LIMIT MOUSE. In order for the co-ordinates from X and Y MOUSE to be correct you have to convert them using X and Y SCREEN respectively.

The old Limit Mouse problem is a knotty one. If you create a screen by default by loading in an IFF file, then the screen seems to go all sorts of odd sizes, at least as far as the mouse is concerned. Omit the Screen Open command and see what happens.

This is something which makes you come a-cropper a lot in Amos: Not open screens before you load something into them. It's a lazy programming habit to get into and causes all manner of problems when you want to go back to a bit of code and compile it. So always set up your screens precisely before you do anything with them, and you'll save a lot of grief later on.





Write a program!

Co-ordinates are a right nuisance and no mistake. This month's homework is to create a program which allows you to store screen co-ordinates as mouse co-ordinates and vice versa.

Or how about a program to design new mouse pointers? You will need to know all about mouse co-ordinates and also be able to store the new designs as mouse.abk. Send in your best efforts and we'll print them in a future issue.

Write stuff

If you have an Amos question, then please write to Phil South, Amos Column, Amiga Computing, Europa House, Adlington Park, Macclesfield SK10 4NP.

500,000 COMPUTER GAMES

surplus stock sell-off!!! top selling games

FROM ONLY £1 EACH

AMIGA, ATARI ST, PC, C64, SPECTRUM, AMSTRAD

just send one first class stamp telling us what computer you have and we'll send you a full list of available software at prices you won't believe to:

Surplus Software Sell Off, Dept 93, 6 Mercury House, Calleva Park, Aldermaston, Berks. RG7 4QW

THIS IS NOT PD OR SHAREWARE SOFTWARE, ALL GAMES ARE SHOP SURPLUS

500,000 COMPUTER GAMES

SELECTAFONT

THE UKs LARGEST COLLECTION OF FONTS

PIC n MIX from over 80 Disks in ADOBE or COMPUGRAPHIC Format. Each Disk contains 12 Fonts and costs between £1:65 and £3:00

THE UKs MOST INEXPENSIVE FONTS

Over 2000 Fonts now in Stock!

Each Font Costs Between 13p-25p

ITs BACK!!

WE introduced the **PIC n MIX** concept to the **AMIGA**, and now by demand:
THE RETURN OF THE INDIVIDUAL FONT SELECTION SERVICE!
YOU CHOOSE the FONTS........We make up your DISKS!
Prices for individual Font Selection start from:
YOU CHOOSE... 30p each ...WE SELECT!

INK-JET/BUBBLEJET SERVICES

Having used Ink-Jets for 3 Years, we feel we are in a unique position to offer a first class service to all of our customers. We only supply PREMIER Ink refills for all printers which we GUARANTEE will give a BETTER quality than from your original Cartridge. We also supply a comprehensive range of Ink-Jet/Bubblejet Consumables including: COLOUR KITS/ORIGINAL CARTRIDGES/CLEANING KITS

Single Refills	£6.99
Twin Refills	£12.99
6 Pack Refills	£24.99

available in Black/Cyan Magneta/Yellow/Brown Green/Red/Blue

CLIP ART We only supply Hi-res Clips that we have created ourselves. All disks come with image catalogues

PROBLEMS? 24 HOUR TECHNICAL HELPLINE FOR ALL CUSTOMERS

SCALEABLE CLIPS AVAILABLE For all Programs

For a Comprehensive Printout of all Fonts and Details of our other Services, Please send a large SAE with 36p Postage. (Or Phone for an Information Pack). Please include details of your system and the Software that you will be using.

SELECTAFONT (DEPT AC), 84 THORPE ROAD, HAWKWELL Nr HOCKLEY, ESSEX SS5 4JT

PHONE AN INFO-PACK: TEL 0702 202835 24 HOUR SERVICE

ACCESS/VISA BARCLAYCARD MASTERERCARD and all Major Credit Cards accepted CHEQUES payable to SELECTAFONT CREDIT CARD HOTLINE 0702 202835

BEEVOUS CARPENTER CHILLI CHINESE CSDJERSEY RIBBONS HEADHUNT INDIANA KEYBOARD MEDUSA MIAMINITE OLDEWORD OREGON WET ORIENTAL BLOCK! CALLIGRAPHY CRACKLING

POSTCRYPT RANSOME SHANGHAI SHRAPNEL STAR STEEL STENCIL STRETCH TOYBLOK WEDGIE WOBBLER ZORRO SWINGER Tintoretto OpenHouse PEACE POWERLINER StarStruck SALTER

Sticky business

Ordinary disk labels aren't good enough for Ben Pointer, so he shows you how he designs his own

Bet you'd like some professional-looking disk labels. Think how envious your mates will feel when you hand them a disk with its own custom label, personally designed.

They'll probably be so envious that they'll pay you to make some disk labels for them as well. Could be the start of a whole new venture.

But like any new project, you have to approach the creation of labels with a clear idea as to the steps involved, and in what order to do things. No good creating the labels before you have the type you intend using in your hand.

You could work with a known standard, but you can be sure that your supplier will throw a spanner in the works and present you with a sheet of labels that is another standard, different to that of your artwork.

When I rang various suppliers and copy shops I was presented with a few different sizes, in the end settling on the most common size of 68mm by 68mm, giving 12 labels per sheet.

But don't use that as the basis for your layout because you will also need to know exactly where on the sheet the labels sit before you can design your grid.

Once you've got a sheet of labels in front of you, the design process can begin, with the most important part being the setting up of a grid. Get that wrong and you'll waste a lot of time later. A point to watch out for is the positioning of the labels on the backing paper.

Some sit butt to butt, while on other sheets they sit apart from each other. Check, and measure your sheet of labels carefully before designing the grid.

Once the grid is done you can turn your attention to the content of each label. This will depend on the purpose of the disk, but I find the minimalist approach is best. Less is more. Too much information in such a small space can be difficult to read at a glance.

Sketch out on paper the type of information you want on the label and give each piece of information a rating. You can now design each element of the label in relation to its importance. And don't forget about the part of the label that folds over the top of a disk.

It's also a good idea to leave a margin of 3mm or 4mm within the label itself in case the sheet of labels is not properly aligned when it goes through the printer.

When laying out your labels it will save time if you first create the one label which contains elements common to all your labels, and then duplicate it until the page is filled with the correct number of labels. You can then add any other elements that differ from label to label.

Once you have all your labels on the page it might be wise to do a test print to make sure they are in the right position, comparing closely your artwork with a sheet of labels.

You can then proof read each different label. The reason for the care is that sheets of labels cost a pretty penny. A pack of 100 quality labels will cost around £25, although there are cheaper brands.

After the checking process you'll be ready to print the labels, or the artwork to be used for the labels, the difference being that if you own a laser printer you can print your labels direct from your publishing program, if not you will have to produce artwork which a copy shop can use to print or photocopy on to your labels.

Another option, the one I prefer, is to find a bureau or copy shop which has a 600dpi laser printer that can print from PostScript files.

This enables you to cut out having to print the artwork, and because the printing process is coming direct from your PostScript file, the quality will be better than when reproducing from a hard copy of your artwork.

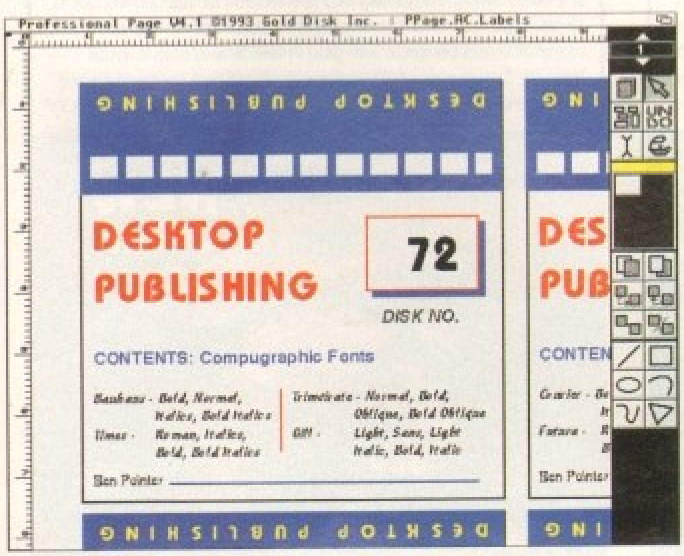


As to the cost of the printing, I found that when you supply the labels, copies are costed at normal photocopying prices. Multiple copies from the one piece of artwork are cheaper than if each sheet of labels has to be copied from a different piece of artwork.

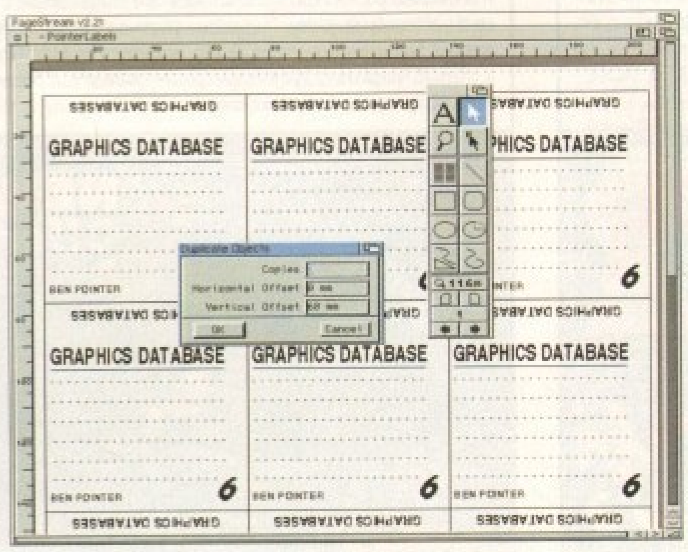
If all your labels are the same, and you want better quality than a copier can produce, it may be worth having them reproduced on a printing press.

Many copy shops are willing to take artwork in PostScript form and reproduce them for around £30, plus the cost of the media (the blank labels). For a little more money you can change the black ink for a colour. If you feel very rich you can have two spot colours, red and blue for example.

To produce 1,200 labels you will be looking at £25 for the media and between £10 (photocopying) and £80 (spot colour) to have the design printed on to the labels.



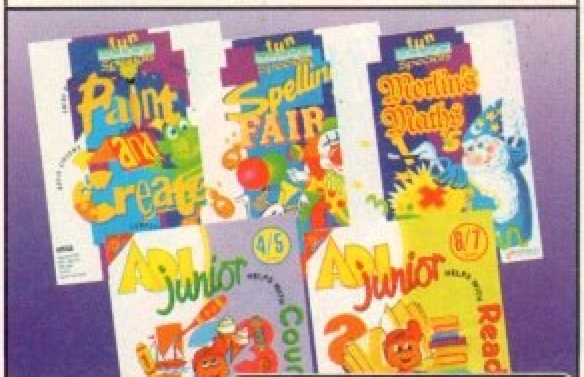
Think very carefully about which is the most important element on your label, and size it appropriately so that it is visible at a glance



In PageStream you can group all the objects within a label so that they appear as one object. This can then be duplicated easily to create a sheet of them

ADI JUNIOR/FUN SCHOOL SPECIALS

From the makers of Fun School, these top-rated educational packages are just the ticket to give your child a flying start! Paint and Create exercises practical creative skills, Merlin Maths enthrals children while covering the basic skills, and Spelling Fair guides your child through the intricacies of basic grammar. ADI helps with Reading and Counting.



FROM £17.95

Product	Price	Order No.
Paint 'n Create (5+ years)	£19.95	9993
Merlin's Maths (5-11 years)	£19.95	9966
Spelling Fair (7-13 years)	£19.95	9967
ADI Junior Reading (4-5 years)	£17.95	9551
ADI Junior Reading (6-7 years)	£17.95	9552
ADI Junior Counting (4-5 years)	£17.95	9553
ADI Junior Counting (6-7 years)	£17.95	9554

VGA MONITOR ADAPTOR

The AMI.VGA Adaptor is a handy little gadget which gives most Amiga owners easy access to the higher resolution display of a VGA monitor.

- It is very easy to use – just plug in and off you go
- Works with any standard VGA or Multisync monitor
- Use screens of up to 640 pixels x 480 lines without interface and without flicker
- Compatible with Amiga 500, 500+, 600, 1200, 1500, 2000
- Operates with Kickstart 1.3, 2.045 and 3.0
- Screen driver software supplied
- Through-port allows the connection of a CGA display
- Full technical support telephone service



ONLY £37.99

Product	Price	Order No.
VGA Monitor Adaptor	£37.99	9558

ALFADATA HAND SCANNER

The scanning package comes with the excellent Touch Up and Merge It packages and the AlfaData scanning rule. By using the Merge It software you can scan A4 pages in several passes and paste all the scans together.

Other features include 100-400dpi scanning resolutions, 256 greyscale conversions, easy to learn & intuitive user interface, easy installation, with 1 text and 3 photo mode selector switches, and award winning package.



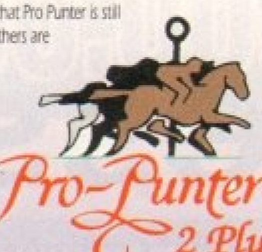
ONLY £115.00

Product	Price	Order No.
AlfaData Hand Scanner	£115.00	9572

PRO PUNTER 2 PLUS

DO YOU WANT TO INCREASE YOUR CHANCES OF WINNING ON THE HORSES? THEN LOOK NO FURTHER.

Independent comparative reviews confirm that Pro Punter is still the performance benchmark by which all others are judged.



The best racing software... available. The Racing Post.

Officially proven to the racing press and other magazines by sending time and date franked letters by Post Office mail, Pro-Punter has shown that it can predict winners with remarkable accuracy. Pro-Punter is also cautious with your money. If it thinks there is any doubt about the outcome of the race, it will advise you not to bet.

Pro-Punter 2 Plus

The NEW second generation Pro-Punter is written to professional standards and is attractive and easy to use. It features full editing and review of race data entered and also a unique low-maintenance database that does not need constant updating.

In addition to UK features, Pro Punter 2 contains unique course/going/class editors and will configure to metric weights/distances, thus allowing configuration for racing worldwide.

ONLY £75.00

Product	Price	Order No.
Pro Punter 2 + (1Mb req)	£75.00 (RRP £99.00)	9567

AMIGA COMPUTING READER OFFERS

ALL PRICES INC VAT & UK POSTAGE

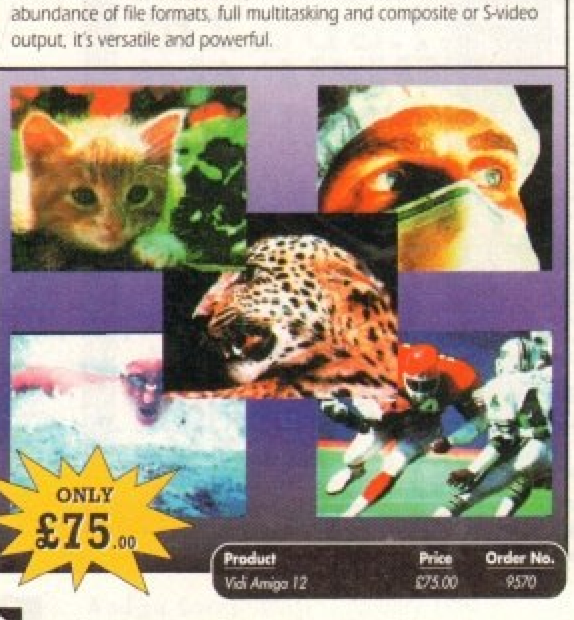
Order Hotline: 051-357 1275

Fax: 051-357 2813 General Enquiries: 051-357 2961

Order at any time of the day or night. Don't forget to give your name, address and credit card number

VIDI AMIGA 12

The ultimate low-cost colour digitiser for the Amiga! No RGB splitters or optical filters are required, and you can grab full-colour images in less than a second (mono are grabbed in real time). With an abundance of file formats, full multitasking and composite or S-video output, it's versatile and powerful.



ONLY £75.00

Product	Price	Order No.
Vidi Amiga 12	£75.00	9570

VIDI (24) RT

This will push your Amiga to its limits. Real-time image capture in excess of broadcast quality. True colour, photo-realistic picture files grabbed from any video source. Display resolutions up to 1472 x 576. It offers all Amiga users 24-bit image capture, with no restrictions on video equipment or Amiga hardware.



ONLY £249.00

Product	Price	Order No.
Vidi (24) RT	£249.00 (RRP £299)	9565

VIDI (12) RT

This offers all the functionality and specification of Vidi (24) RT, but in 12-bit. Capturing 4096 colour images in real-time from any video source. It comes complete with plug in device with easy to install software. Simple enough for the novice yet powerful enough for the professional.



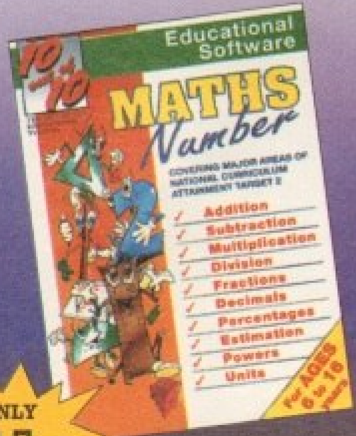
ONLY £175.00

Product	Price	Order No.
Vidi (12) RT	£175.00 (RRP £199)	9566

10 OUT OF 10 MATHS (NUMBER)

For children 6 to 16 years. This is a first rate set of games suitable for a wide range of ages and abilities. They are educationally worthwhile and exciting to play – a rare combination. They are highly recommended for both home and school use.

NEW Offer



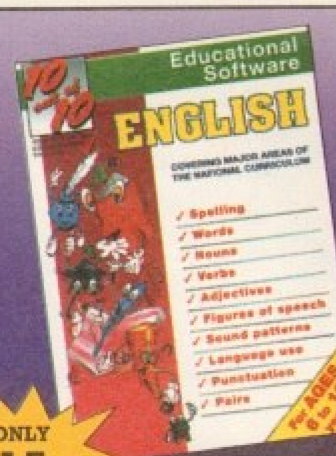
ONLY £15.95

Product	Price	Order No.
10 out of 10 Maths (Number)	£15.95	9944

10 OUT OF 10 ENGLISH

For children 6 to 16 years. With its elaborate system of colour coded levels of achievement and multiple levels of difficulty. This is a useful compilation of programs based on the current National Curriculum for English. Guaranteed to sustain the attention of even the reluctant of learners.

NEW Offer



ONLY £15.95

Product	Price	Order No.
10 out of 10 English	£15.95	9945

WORKSTATION 2

Have you got the very latest Amiga? If so, you need the ultimate Workbench 2 accessory. Whether you have an A500 Plus, A600, A1500 or perhaps a Kickstart upgrade on a 1.3 machine, the time has come to take control thanks to the amazing WorkStation 2. It's the disk the Amiga world has been waiting for...

WorkStation 2 has been designed specifically for the new breed of Amigas with the express purpose of simplifying the computing process while providing all the computing tools you'll ever need.
This indispensable collection of utilities includes the very latest and best shareware compiled within a smooth and simple user friendly interface. No more CLI or Shell, a simple point and click is all you'll ever need...

This is just a small selection of the tools and utilities on offer. Others include ScreenX and GFXMem.

For the artists out there Icon Edit awaits to produce customised icons, while NickPrefs adds the option for a 16 colour designer backdrop, animated pointers and non clicking floppies. Screen blanker provides a tailor made designer look to your system and transforms the appearance of your Workbench screen forever.



ONLY £4.50

Product	Price	Order No.
Workstation 2	£4.50	9519
Workstation for A500	£3.50	9958
Graphic Station	£4.50	9876
Workstation + Graphic Station	£7.50	9601
Workstation 2 + Graphic Station	£8.00	9602

OPTICAL PEN MOUSE

A stylish Pen Mouse with quality construction and smooth fast movement. It has Micro-Switch buttons which is ideal for DTP, artwork etc. It comes with its own Optical Pad

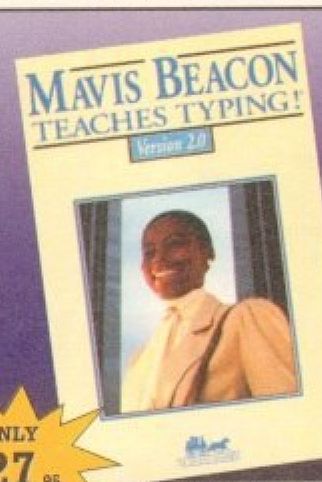


ONLY £34.99

Product	Price	Order No.
Optical Pen Mouse	£34.99	9581

MAVIS BEACON TEACHES TYPING

Simply the finest typing program in the world, this award winning software takes you step by step through the keyboard. Coaching you at your own speed and skill level, monitoring your progress, the stunning graphics, the help facilities and complete typing textbook makes learning to type interesting and fun.



ONLY £27.95

Product	Price	Order No.
Mavis Beacon Teaches Typing	£27.95	9821

VIDEOMASTER

The Ultimate Multi Media System for your computer. Videomaster is a revolutionary breakthrough in home computer technology combining the complexity of a Video Digitiser with a Sound Sampler in a single easy to use low cost unit, to bring you the ultimate home multi media video/audio editing package.

Videomaster will allow you to record monochrome, quarter screen pictures at speeds of up to 25/30 frames per second (Europe/USA) providing ultra smooth playback at high speeds. These pictures can be recorded from the output of a video recorder or directly from a video camera or a camcorder and replayed on your computer screen.

Videomaster can produce great 'grey' scale pictures from any video source with a pause or still frame facility. The colour filters provided in this package will enable the users of video cameras or camcorders to produce high quality still pictures in glorious colour.

Videomaster features a sound sampler as part of the hardware, though the software can be used with external sound samplers. This is supported by a full feature sound recording and editing program within the videomaster software. The Videomaster system also features a video sequencer.

The complete package contains the Videomaster video digitising and sound sampling hardware unit, TRI-Colour filters for colour camera use, comprehensive user guide and full system software.

Videomaster only works with Amiga 500 and 500 Plus models.



ONLY £54.95

Product	Price	Order No.
Videomaster	£54.95	9603

TECHNO SOUND TURBO II

TT2 has been completely redesigned with CUSTOMISED PULL DOWN MENUS and many superb features have been introduced.

These include DIRECT TO HARD DISK RECORDING, so now you can make those really long recordings without running out of memory.

The built in TRACKER program allows you to input sampled notes from the computer keyboard so that you can create your own melodies.

The SEQUENCER allows you to link very long samples together without the need to display the waveforms on the screen, and is ideal for re-mixes and song compilation.

The MINI MODULE enables samples to be played on all 4 audio channels from a MIDI keyboard, Drum Box or External Sequencer. (Midi Interface required).

Samples can now be stored on an edit list which allows rapid access direct from memory. A wide range of CONTROLLABLE effects (including novelties) can be added to the samples including Variable Delay, Variable Echo and Variable Synthesis.

The REALTIME EFFECTS are all controllable and can be saved as presets (up to 999). New features include SWEEP, RAMP and PITCH UP/DOWN.

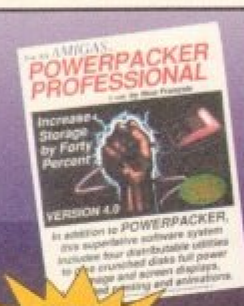


ONLY £44.95

Product	Price	Order No.
Techno Sound Turbo & Upgrade	£44.95	9580

POWERPACKER PROF

Here's a winner! Using this powerful utility, you can fit around 40% more information on every disk you use – sometimes up to 70%. The powerful "crunching" routines actually shrink your programs, and expand them on running. Along with the supplied utilities, this contains all you need to pack those disks.



SPECIAL OFFER: Buy Powerpacker and Kill Da Virus together at the special price of £25 and save nearly £5

ONLY £14.95

Product	Price	Order No.
Powerpacker Professional	£14.95	9838
Powerpacker + Kill Da Virus	£25.00	9540

ALL PRICES INCLUDE VAT & UK POSTAGE

X-COPY PROFESSIONAL

This superb package enables the Amiga user to back up their discs efficiently and effectively.

Includes NEW 'Cyclone' cartridge for copying protected software (requires a second disk drive

Features include:
- The most comprehensive back-up utility
- Includes floppy disk back-up, hard disk back-up and file back-up
- Also backs up ST, IBM etc disks
- Checks disks for errors
- Optimises data for faster loading
- Fast formatting
- Copies up to 4 disks in 48 seconds
- Full update service available



X-COPY PROFESSIONAL caters for all your needs, included in the package is a small hardware interface that plugs into the external disk drive port at rear of the Amiga and your external disk drive (if you have one) plugs into the back of the interface. This allows the Digital Bit Image Copy Mode to use the Adaptive Pulse Width Modulation routines to backup virtually all known discs.

1988 COPYRIGHT ACT Europress Direct neither condones nor authorises the use of this software for the reproduction of copyrighted software. The facilities offered by X-Copy Pro are intended to backup users own software, PD Software & other such programs where permission had been given. It is illegal to make copies of copyrighted material without the permission of the copyright holder.

ONLY £35.95

Product	Price	Order No.
X-Copy Professional	£35.95	9523

AMIGA COMPUTING READER OFFERS

Order form and more great offers over the page

CLARITY 16

At last from Microdeal comes the first ever low cost Stereo 16 Bit Sampler for the Amiga. Contains two 16 bit analog to digital/digital to analog convertors to allow stereo sound digitising. The system can record sound from suitable equipment such as CD players, cassette recorder or any 'AUX' or line level signal source via the stereo phone sockets provided. Stereo phono outputs are provided for connection to an amplifier or mixer. The hardware plugs into the serial and printer ports and so can be used with the whole Amiga range of computers. As if this is not enough, Clarity 16 also contains a Midi interface for use with a Midi keyboard or similar, which is compatible with major commercial software.



The Editor program provides the user with the ultimate in power and sophistication, packed with features which appear for the first time for any home computer. The fully multi-tasking, window styled editor allows individual samples to be loaded into the computer and edited separately.

1Mb Ram is recommended.

ONLY £129.95

Product	Price	Order No.
Clarity 16	£129.95	9977

TURBO TOUCH JOYPAD

This is a radical new style of hand held controller. Just pass your finger over the sensor – No more finger fatigue or blisters. And thanks to better diagonal and circular (360°) control, the newest and most challenging games are easier to control and more fun to play. The Turbo Touch 360 brings a new dimension of control and comfort to video game play.



ONLY £16.99

Product	Price	Order No.
Turbo Touch Joypad	£16.99	9556

RE-INK SPRAY

Save money and the environment with Re-Ink Spray and bring back life to your exhausted printer ribbon. Simple and cost effective, it can save you up to 90% on ribbon costs and gives cleaner, blacker print with no blotches and it works for all fabric ribbons. Just open the ribbon case, spray Re-Ink onto the ribbon and hey presto!

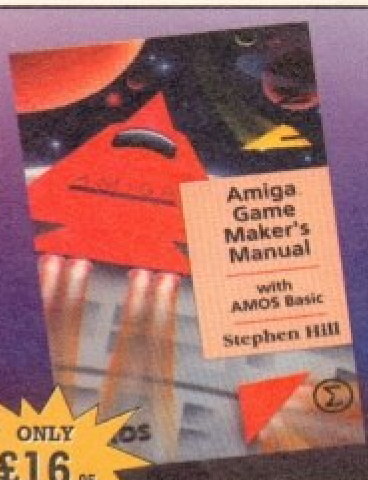


ONLY £12.95

Product	Price	Order No.
Re-Ink Spray	£12.95	9998

GAME MAKER'S MANUAL

Author of several authoritative computer manuals, Stephen Hill is well placed to offer page after page of invaluable information covering every single aspect of writing games, from high-speed sprites to simulations, animation to assembler – all you need to know to design and create your masterpiece!

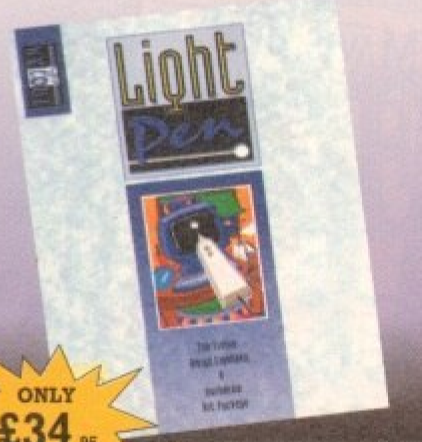


ONLY £16.95

Product	Price	Order No.
Game Maker's Manual	£16.95	9886

TROJAN LIGHT PEN

Wouldn't it be good to really "draw" when using paint and graphics packages? Well now you can, by plugging the amazing Light Pen in instead of your cumbersome mouse. It comes with a specially designed drawing package, Kwikdraw, as well as compatibility software for most Workbench-run programs.



ONLY £34.95

Product	Price	Order No.
Trojan Light Pen	£34.95	9870

COVERDISKS

Did you miss out on any Amiga Computing CoverDisks? If so, now is your chance to obtain our pack of 12 CoverDisks for 1991 and our pack of 6 cover disks from January to June 1992.



FROM £9.00

Product	Price	Order No.
12 CoverDisks (Jan-Dec 91)	£15.00	9839
6 CoverDisks (Jan-Jun 92)	£9.00	9861
6 CoverDisks (Jul-Dec 92)	£9.00	9899
12 CoverDisks (Jan-Dec 92)	£15.00	9900

AMIGA COMPUTING

READER OFFERS

Offers subject to availability.

All prices include UK postage, packing and VAT. For orders over £10 please add £5 for Eire/EEC, £10 for overseas unless specified above. Overseas orders despatched by Airmail.

Valid to January 31, 1994

PRODUCT	ORDER NO.	PRICE
Please add postage as detailed		
	TOTAL	£

☐ Please tick if you do not wish to receive promotional material from other companies.

I wish to pay by:

☐ Cheque/Eurocheque made payable to Europress Direct

☐ Access/Mastercard/Eurocard/Barclaycard/Visa/Connect Expiry Date ___ / ___

Name ____________ Signed ____________

Address ____________

____________ Post Code ____________

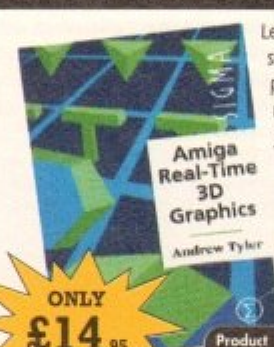
Daytime telephone number in case of queries ____________

Send to: Europress Direct, FREEPOST, Ellesmere Port, South Wirral L65 3EB (No stamp needed if posted in UK)

Products are normally despatched within 48 hours of receipt but delivery of certain items could take up to 28 days

AMC 1

REAL-TIME 3D GRAPHICS



Learn how to write programs with smooth flowing 3D effects and produce high speed animation in real time controlled by the Amiga joystick with this book. At the same time, learn about Amiga assembly language painlessly and enjoyably, (listings disk also available to avoid the effort of typing them all out).

ONLY £14.95

Product	Price	Order No.
Real Time 3D Graphics (Book only)	£14.95	9833
Real Time 3D Graphics (Book + Disk)	£23.95	9875

Order Hotline: 051-357 1275

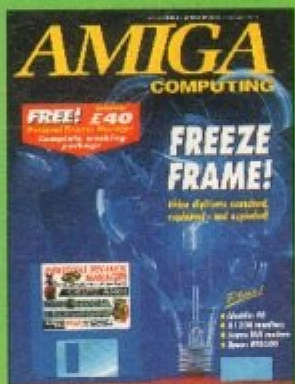
Fax: 051-357 2813 General Enquiries: 051-357 2961

Order at any time of the day or night. Don't forget to give your name, address and credit card number

AMIGA COMPUTING Back Issues & Binder

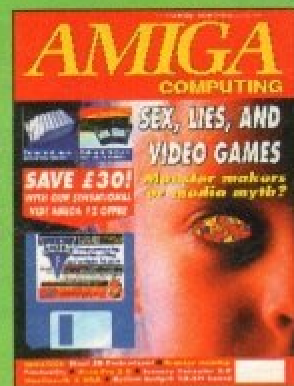
If you've missed any of these issues, now's your chance to put things right, by either buying an individual issue or a full six months' worth. But hurry - stocks are limited!

APRIL



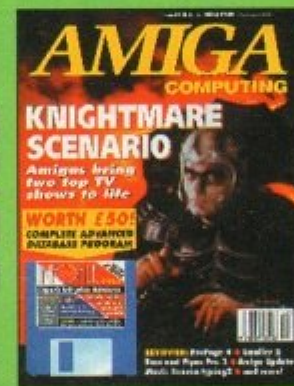
Digitisers compared and contrasted. Reviews of MediaLink, Aladdin 4D, Personal Paint and Epson GT-6500.
FREE: Questions & answers paperback book.
ON DISK: Personal Finance Manager, Fun School 3 Time module (5-7 year olds) VALUED AT £40

MAY



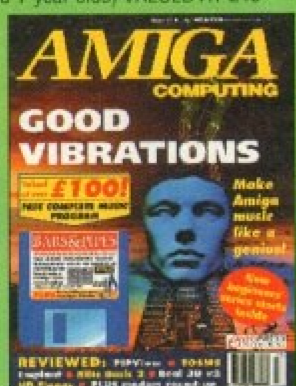
Are computer games harmful? Scanner round-up. Reviews of Pixel 3D Pro, Retina 24-bit board, Vista Pro 3.0, Scenery Animator 2.0.
FREE: 24 page supplement - Guide To Hardware.
ON DISK: Vidi Amiga 12 (grab disabled), Fun School 3 Wordsearch module (over 7 year olds)

JUNE



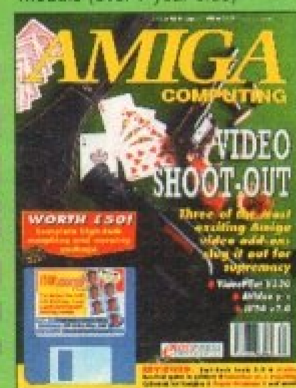
We go behind TV's role playing show - Knightmare. Guide to budget DTP software. Reviews of Big Alternative Scroller 2, ProPage 4, Bars and Pipes Pro 2 and Mavis Beacon Typing 2.
ON DISK: Infofile, Scala HVT (save disabled) VALUED AT £50

JULY



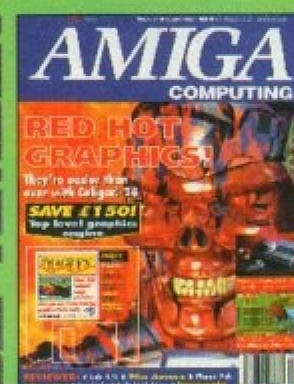
Evelyn Glennie talks about her music.
Reviews of Real 3D v2, Emplant, TOSMS and PIPView.
ON DISK Bars & Pipes Pro 2 Jr VALUED AT £100

AUGUST



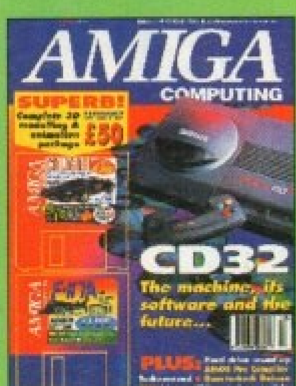
The latest three professional video add-ons reviewed - A Video Y/C, IV24 v2.0 and Videopilot 330. Survival guide to printers.
Reviews of Ami-Back, Ami Tools and Kid Pix.
ON DISK CineMorph jr VALUED AT £50
Caligari 24 reviewed. Survival guide to hard drives.

SEPTEMBER



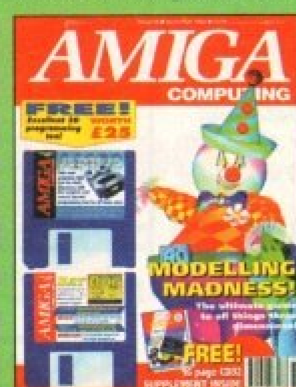
Reviews of Phone Pak, VLab Y/C and Alfa Colour Hand Scanner.
ON DISK: Image FX demo

OCTOBER



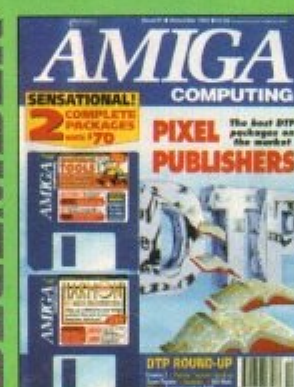
Amiga CD32 taken apart. Survival guide to modems.
Hard drive round-up. Reviews of DSS8+, Technosound Turbo 2, Brilliance, AMOS Pro Compiler and Quarterback Tools Deluxe.
ON 2 DISKS: Caligari, 10 out of 10 Maths demo and F117A Stealth Fighter full mission demo VALUED AT £50

NOVEMBER



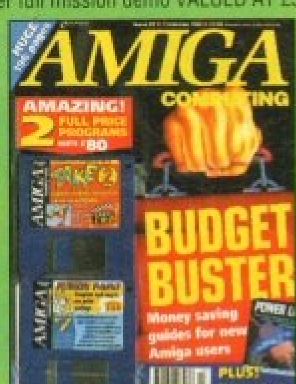
Modelling Madness, the ultimate guide to all things three dimensional. Sequencer round-up. Survival guide to scanners. E-mail for the masses. ***FREE*** 16 page CD32 supplement
ON 2 DISKS: AMOS 3D, Batdog, Stickit, ARoach, Virus Checker and Akeko-AGA

DECEMBER



DTP round-up of the best DTP packages available. Survival guide to SIMMs, ZIPs and DRAMs. Reviews of Essence 2, Picasso 2, Hama 292 and MiniGen Pro. ***FREE*** Software encyclopaedia paperback book
ON 2 DISKS: Quarterback Tools, Harmoni Midi Sequencer VALUED at £70

XMAS ISSUE



Money saving guide for new Amiga users, Word Processor round-up, RAM expansion round-up, Survival guide to floppies.
ON 2 DISKS: Take Two animation editor VALUED at £80, Fusion Paint VALUED at £30.

BINDER



Keep all your back issues in pristine condition with the ***Amiga Computing*** binder, a must for any serious Amiga user.

	Price	Order No.
April 1993 + 3.5" disk	£3.25	9758
May 1993 + 3.5" disk	£3.25	9761
June 1993 + 3.5" disk	£3.25	9762
July 1993 + 3.5" disk	£3.25	9763
August 1993 + 3.5" disk	£3.25	9764
September 1993 + 3.5" disk	£3.25	9765
October 1993 + 2 x 3.5" disk	£3.25	9766
November 1993 + 2 x 3.5" disk	£3.25	9767
December 1993 + 2 x 3.5" disk	£3.25	9768
Xmas Issue 1993 + 3.5" disk	£3.25	9769
Any 6 issues above	£18.00	
Amiga Computing Binder	£5.95	9509

All prices include VAT.

Please place your orders on the Reader Offers form opposite.

AMIGA COMPUTING Snippets

AMIGA POWER SUPPLY £28.99

Genuine Commodore, 1 year warranty. Send us your faulty unit and pay only £18.99. Same day despatch by Parcelforce. Free mouse with each order

AMIGA REPAIR (A500/500+ ONLY)

£37.99 most faults (except keyboard faults) send machine with covering letter and payment. Price includes return carriage, insurance and 3 months warranty.

AMIGA SPARES

A520 Modulator (exchange only - send your old units)	£19.99	Amiga Mouse	£6.00
1.2 Rom	£15.00	A520 CIA	£15.00
5719 Garry	£9.99	8362 Denise	£7.99
		Exchange Internal Drive	£27.99

Cheques and postal orders to:

Omnidale Supplies, 23 Curzon Street, Derby DE1 2ES. Tel: 0332 291219

Jorvik Public Domain

(Dept AMC) 22 Hemlock Avenue, York YO3 9DG
Telephone: (0904) 624637 9am-10pm

WE NOW STOCK T.F.F.
Issue #6 available now £6.25 (P&P inc)
(back issues available)

PD from only 35p when you supply disks, otherwise it's 79p (inc P&P)
Catalogue disk 75p or 3 1st class stamps

LATEST DISKS (as at 23/11/93)

Assassins Games 1-148	LSD Tools 31-143
Corncircles Slideshow	Engineers Kit
PC<>Amiga v2.2	AGA Graphic Utilities
OctaMED Pro v5 (Demo)	Easy Calc Plus (WB2)
OctaMED Tutor	Game Tamer v4.59
Dream Tripping (Digital)	Aluminium (Syntex)
Waterproof (Illusion)	Boundless Void (Mecon)
Flashback Anim	Last Stand on Hoth (4) (3Mb)
Babylon 5 Slideshow	Bodyshop V (2) (AGA)
The Dating Game (2) (3Mb)	Snake Rider (Nova) (2)
Motorola Invaders 2 (2) (AGA)	Klondike Deluxe (3) (AGA)

Please make all Cheques/PO's payable to: D Bateman

CPPD

Now in 3rd Year

Public Domain for A500-A1200
Workbench 2 Specialists.

All the latest titles.

Phone Chris on 0283 516736,
Personal Helpline
(7 days a week 9am-9pm)

or write for a catalogue disk listing only the best PD available.
(enclose 2 1st Class Stamps)

Many special A1200 disks available

3 Dunedin Crescent, Winshill, Burton Upon Trent, Staffs DE15 0EJ

ARNOLD COMPUTER SUPPLIES

Amiga A1200	**£290**
Amiga CD32	**£290**
Box of 50 Blank Disks (including labels)	**£19**

Free local delivery (10 mile radius)
All your computer needs catered for.
Please phone or fax for latest prices.
Manga videos now in stock.
Please ring for information pack. Prices from £10.99.

Barry Voce 0602 264973
11 Campion Street, Arnold, Nottingham NG5 8GR

GAMES GROTTO

Game exchange, Sega & Nintendo from £3.00 + p&p.
Amiga/PC PD Catalogue disk only £1.00.
PD Software 99p per disk. Budget games from only £4.99.
Latest titles always in stock

132 Derby Lane, Old Swan,
Liverpool L13 3DW.
Tel: 051-252 1020

LOGIC PD

FREE CATALOGUE DISK

80p Per Disk FREE P&P

GREAT PD AT GREAT PRICES JUST 80p

031-453-6087

UTILITIES • MEGADEMOS • DEMO MUSIC • FRED FISH • GAMES ANIMATIONS

FULL DESCRIPTION OF EACH DISK

SAE TO LOGIC PD (Dept AMC) 8/5 Glenalmond Court, Sight Hill, Edinburgh EH11 4BE

KEW=II SOFTWARE

Est. 1989

THE BEST QUALITY PD & SHAREWARE

The LEADER – OTHERS CAN ONLY FOLLOW!

FREE FRIENDLY HELP BY POST or PHONE ANYTIME!
FREE CLUB MEMBERSHIP

PICK YOUR OWN PROGRAMS! BY NAME NUMBER AND SIZE! IT'S EASY!
500k makes 1 bootable disk!
800k makes 1 non-bootable disk!

FREELY UPDATED CATALOGUE WITH FULL DESCRIPTIONS INDEX & VIRUS CHECKER ONLY £1!
Phone for the LATEST PROGRAMS!

PO Box 672
South Croydon
Surrey CR2 9YS
Tel: 081-657 1617

1-3 disks £1.50
4 or more ONLY £1.25!

FREE P&P

COLWYN SOFTWARE

17 GLADYS GROVE, COLWYN BAY
CLWYD LL29 7UB TEL: 0492 533442

MAIL ORDER AMIGA SOFTWARE
* 30%+ DISCOUNT OFF R.R.P
*100'S OF TITLES
*GAMES, UTILITIES, APPLICATION & EDUCATIONAL SOFTWARE AVAILABLE.

e.g. JURASSIC PARK A1200 £18.99
FLASHBACK £20.49

£1 P&P PER ORDER DISK CATALOGUE ONLY £1 REFUNDED WITH FIRST ORDER

Are You Missing Out on the VERY BEST AMIGA User Group???

Thousands of New Contacts, Free Help & Advice, Second-hand Hardware. Software and Hardware bought / sold / exchanged. Exclusive massive Club discounts. Latest product information and member reviews. Plus the best Fanzines/diskzines and Millions of PD/Shareware titles at unbelievable member only prices. Exclusive Newsletters, BBS and much, much more... Find out what you're missing by sending an SAE for our FREE intro pack to:

C.C.C. (AC2), PO Box 121, Gerrards Cross, Bucks, SL9 9JP
(0753) 884473

Trade and Dealer Enquiries welcome Plus FREE publicity for new software/fanzines etc. Contact us now!

Ham Graphics 051 524 2112

41 Park Lane Netherton Liverpool L30 1QA

PARNET SYSTEM £20.00

OVER 4000 P.D. titles at £1.00 per disk (please add 60p for postage on any order)
UTILS, LEISURE, EDUCATIONAL, MUSIC
GRAPHICS, GAMES, DEMOS, FRED FISH
Repair/Technical/DTP/Colour Printing
and Photographic Printout services available
Please call for Details or Advice

BUS STOP PD

What do you want from a PD Library?

- 24 Hour Turnaround?
- Possibly the best catalogue in the country?
- Friendly service run by Women?

All this for 85p per disk?

Then send 50p + SAE for our catalogue of 2000 + disks to:

Dept CO, 6 Smiths Avenue, Marsh, Huddersfield. HD3 4AN

PRINTERS & COMPUTERS

AT THE VERY BEST PRICES
ALL MAKES AVAILABLE
WITH FREE DELIVERY JUST PHONE
ESSEX LASER SERVICES
ON (0473) 652590

WORTHING COMPUTER CENTRE

7 Warwick Street, Worthing, West Sussex BN11 3DF

- Stockists of Amiga, IBM, Atari, Psion, Star & Citizen.
- Large range of software for most formats.
- Large range of books, ribbons, disks and paper.

(0903) 210861

Computer Software

Hundreds of programs at a fraction of the price – and we'll buy them back – guaranteed

Matrix Software Club for Amiga & IBM/PC established 1981 – over 3,000 members nationwide

To find out how you can benefit send large SAE stating your machine or telephone:

Matrix Computing Services
Dept AC1, 2 French's Yard,
Amwell End, Ware, Herts, SG12 9HP.
0920 484479 – 24 hours

GRAPHIC F/X

Amiga Shareware & PD Software

Fred Fish • Scope • Grapevine • AM/FM • Demos • Games • Assassins • Utils etc

We have...

- New titles arriving daily
- PD swapping service available
- Same day despatch on all orders
- Detailed information of what's on every disk
- Friendly and reliable service
- Software helpline (8am to 8pm)

HARDWARE

CD32 including Oscar and Diggers – £294.99
A1200 Race 'n' Chase – from £294.99
A1200 Desktop Dynamite – from £339.99

For our 3 comprehensive catalogue disks please send a cheque/postal order for £1.25 to:

Graphic F/X, Dept AC, PO Box 69, Manchester M21 2BN (free P&P) Tel: 061 860 4292

HORNESOFT P.D

(EST 1990)

OVER 6300 AMIGA P.D DISKS. PRICED FROM JUST 20p TO 69p

All computers catered for
A500/A500+/A600/ A1200
Fast friendly service, unmatched by any other library.

Send a SAE + disk for FREE Cat.
To: **HORNESOFT P.D,**
23 STANWELL CLOSE, WINCOBANK, SHEFFIELD, S9 1PZ.
TEL: **0742 422000** *Ask for Chris.*

Our catalogue disk is unrivalled by any other. All latest disks available, sameday despatch, virus free, error free.

IF YOU WANT THE LATEST P.D WITH GOOD SERVICE THEN LOOK NO FURTHER THAN
HORNESOFT P.D

We treat customers as friends, and not just another cheque!

AC

NETWORK PD LIBRARY

Anims, Business, Demos, Education, Games, Music, Utilities. You name it, we've got it. We have a huge range of PD for all Amigas including A1200. For FREE catalogue send a SAE to:

NETWORK PD LIBRARY
Killabonane
Kenmare
Co Kerry, Ireland

Prices start at £1.50 per disk or £1.25 each for 10 or more. All prices include postage and packing. E&OE.

IRISH & UK PD USERS

AMIGA KEYBOARD OVERLAYS

...now you can write the keyboard commands on the keyboard!



Brilliant for flight simulations and all programs with keyboard commands...games, music, graphics, business, DTP, anything
Cheques or postal orders only to:
Silverbird, Dept. AC1, 47 Barton Road, Harlington, Bedfordshire LU5 6LG, England

For all Amiga keyboards except A1000, A600. Sold only in packs of five for £5.20 plus post & packing: UK 80p; Europe & BFPO £1.50 Rest of the World £2.50

AMIGA TECHNICAL CONSULTANTS

For professional advice and help with Workbench, Shell, Dos, installing software, Amiga applications, Hard disk drives, corrupted data, viruses, printers or even tutorials call ATC now

0426 947183

SCRIBBLE P.D.

THE NEW CHOICE FOR AMIGA PUBLIC DOMAIN & SHAREWARE, QUALITY UTILS, GAMES, DEMOS & ADVICE... SORTED!

NOW AVAILABLE...

MAGIC WORKBENCH	– Superb new icons for WB2/3 + HD
ULTIMATE DEGRADERS	– Compatibility ...no problems for WB2/3
SCRIBBLE OFFICE	– All you need for the home office for all Amigas
RE-ORG 3.11	– Latest version of this faaast optimizer WB2/3
MEGA-D DEMO	– The best directory util ever?!! WB2/3
SCRIBBLE UTILS 1-5	– 5 disks crammed full of goodies
SAMPLES 1-15	– 15 Alphabetacized & optimized disks, only £12
DESKTOP VIDEO PACK	– 4 disks for the video enthusiast

DISKS £1.00 EACH UNLESS STATED. P&P: 75p PER ORDER, £2.00 REST OF WORLD

NEW

CONTACTS & SUBMISSIONS ALWAYS WANTED!

THIS IS JUST A SMALL SELECTION, WHY NOT TRY THE CATALOGUE DISK (WITH FREE GAME) ONLY £1.00

CHEQUES & PO's TO: SCRIBBLE PD, 2 HILLSIDE COTTAGES, BURSTALL, SUFFOLK 1P8 3DY. Tel: 0473 652588

To place an ad on this page call Barbara Newall on 0625 878888. Free typesetting service provided.

AMIGA MARKET

shop window

the locator

classifieds

Shop Window

Mate for life

Easy and affordable video editing system
Supplier: Meridian Distribution
Phone: 081-543 3500
Price: £199.95

Although the Amiga has been synonymous with video production since its inception, the editing of live footage has always been a grey area best left to the experts.

To be fair the problem wasn't caused by the Amiga but rather the myriad of proprietary timecodes, connections and control protocols which have made an automated editing process difficult at best.

As a result Amiga-based video editing systems have largely remained the domain of pro and semi-pro videographers who can both afford and apply the power features which such systems provide.

In addition to the cost and complexity of the hardware and associated software most of the serious editors demand at least some form of modification to one or more of your VCRs – if you won't to avoid losing a generation when adding timecode to your original recordings.

Fortunately with the arrival of Edit-Mate such problems can now be avoided. No timecode is required and better still there's no need for modifications to your existing equipment.

However as you've probably guessed much of the power offered by products such as Videopilot has been inevitably sacrificed – but with a saving of approximately £1,200 it's a price many home users will be more than willing to make.

Although simpler than most systems, Edit-Mate isn't without the usual array of cables and connections, along with a single programmable infra red. Of course CamLink – the creators of Edit-Mate – will be more than happy to supply additional cables as required.



Can you really be another Speilberg for only £200 with the CamLink video editing system?

CONNECTIONS

In order to connect to the Amiga a special parallel port D-ring plugs into the rear of the machine enabling the edit control cables to link the Amiga with the play and record VCRs.

Like the majority of basic edit systems the video signal is passed directly between the two VCRs/camcorders, and as a consequence Edit-Mate is left free to control the transport of the two machines.

As mentioned above the number and variety of video control protocols is quite literally vast and because of this Edit-Mate concentrates its efforts on Panasonic and to a lesser extent Sony.

In the case of Panasonic you're provided with a five-pin DIN while the Sony offering takes the form of lanc cable with a 3.5mm jack. Of course if your VCR isn't either of the above you can always fall back on the aforementioned infra red. Please bear in mind both players need some form of remote control so ensure you order enough cables...

Thankfully audio also has its place in the Cam-Link system courtesy of a small mixer which comes as part of the Edit-Mate package. Although a creation of there own making it must be said the mixer is more than a little reminiscent of Tandy's legendary four channel microphone mixer.

However considering the Tandy version retails at around £25 while the Cam-Link comes in at £200 with a few VCR cables, a D-ring parallel connector, a mic and some software, it does seem Edit-Mate is a tad more expensive than it should be.

As for build quality there's little to complain about – as long as you don't have an aversion to moulded plastic. Along the rear of the unit awaits the usual array of phono/RCA inputs which can take a stereo signal from the source VCR, a CD player or tape deck.

On the other side of the coin output is handled by two more phonos destined to transport your original audio, backing music and voice-over to the target recorder.

On the top of the unit sits the essential master volume plus the three faders to control the internal mix between the elements. Other than that there's the ubiquitous on/off along with a toggle switch to alternate between the CD or tape player. The only other I/O options sit on the front of the mixer in the form of twin quarter inch jacks for the headphones plus a single stereo quarter inch jack for headphones. In short, it looks simple and indeed that's exactly how it operates, just switch it on and you're off.

In keeping with the tradition of simplicity the software is blissfully simple thanks to a very straightforward point and click interface which even makes VCR selection a doddle.

Like any self-respecting package hard disk installation is catered for via the usual icon-driven script. In fact icons play a big part in the Edit-Mate set-up procedure with individuals offering access to the main program, hard disk install, infra red programming and finally burned-in on-screen timecode.

This final option shouldn't be confused with timecoding the tape itself. In this case timecode simply refers to the ability to generate an on-screen timecode read-out which can be burnt onto the output with the assistance of a genlock. Although a

seemingly strange option for home users it's been added to allow semi-pro videographers to add timecode to rough creations which can then be sent to the client for evaluation.

The idea is that the client can then make a note of the scenes and their locations, these can then be relayed back allowing you to make the necessary adjustments to your edit script prior to compiling a finished master.

Assuming VCR selection, infra red programming and cabling is complete it's time to enter the software itself and begin to build your masterpiece. At the risk of repetition life just keeps getting easier.

After rewinding both recorders and resetting the counters for each selection can begin. Of course, now thanks to the program's remote control for each player, the buttons need never again be touched by human hands.

In order to add scenes to your masterpiece you simply click on Edit-in and Edit-out in succession. This process is then repeated throughout the tape until all your favourite scenes are selected – paused can be used for greater accuracy – rather than constantly selecting shots on the fly.

Once all your scenes have been captured you can begin fine tuning. All edit points are kept in memory and are displayed in a list showing their in/out times and scene duration plus the total elapsed time for the entire production.

At this stage you're free to cut, paste copy and duplicate to your heart's desire – and to make things even easier you can also add comments to the various scenes. The numerical parameters for each scene can also be adjusted by simply highlighting the appropriate line and typing in the new figures at the desired location.

POINT-AND-CLICK

If you're happy with your edit decisions or simply wish to save out in case of disaster, committing your creation to disk is another point-and-click procedure – and of course, loading up an existing file follows the same format.

Any pre-roll problems that may arise can also be solved by the delay option which allows for the idiosyncrasies of your particular VCRs transport to be compensated for – thereby making edits as accurate as possible.

Assuming all the editing is complete, the only thing left is to click on the perform edit button, follow the prompts and sit back as Edit-Mate puts your masterpiece together.

As you've probably noticed, Edit-Mate is a blissfully simple system that's ideal for the home user who simple wants to condense hours of Camcorder footage into a concise and potentially stylish production complete with sound and vision.

However, Edit-Mate does have one drawback, namely its cost. Although cheap in comparison with other pro systems, £200 is still a bit pricey. If Cam-Link were to release a cut-down version at a better price minus the mixer and mic it would be a sure fire success.

As it stands, the system still remains very attractive in relation to the opposition, with the only challenge coming from similar tape counter edit systems from the various VCR manufacturers. For home users it's a friendly if perhaps a little basic answer while professionals could find it invaluable for rough edits and general pre-production.

Noddy's Big Adventure

Educational Software package for 3-7 year olds
Supplier: The Jumping Bean Company
Phone: 0602 792838
Price: £24.99



Would you pick up a strange gnome-type fellow in your car? Hmmm

Noddy's Big Adventure is the sequel to Noddy's Playtime. It is an interactive educational and creativity package designed for three to seven-year-olds.

A large range of subject areas are covered within the game, some covering early aspects of the National Curriculum, and incorporates different levels of difficulty so all levels of intelligence are catered for.

Every aspect of this package has been carefully designed with children in mind. The controls have been made as simple as possible, even the numbers on the disk have been enlarged to make disk accessing easy for young children.

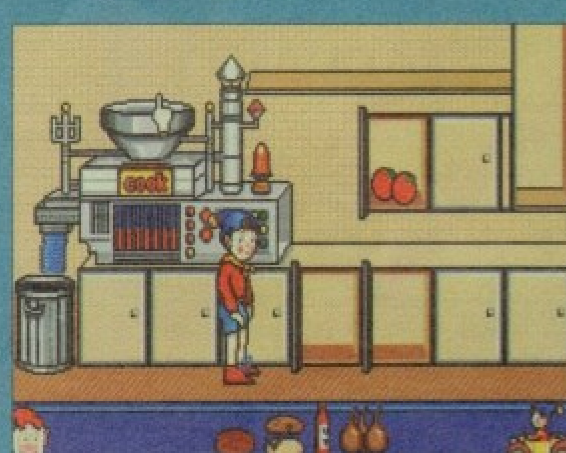
However, with all the interlinking screens and levels it might prove to be a bit taxing and frustrating for younger children to find the particular activity they want.

The graphics are bright and colourful and remain true to the original Noddy storybook illustrations. This, along with the realistic sound effects, is guaranteed to keep children amused.

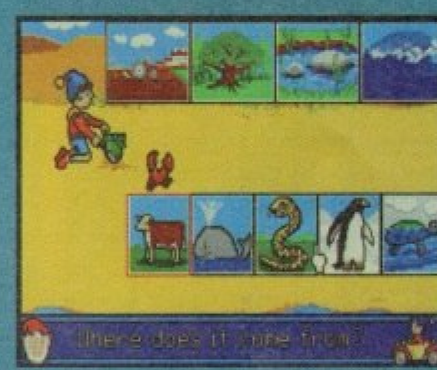
Each of the different programs have a fully interactive scene at the beginning and if a certain object is clicked on it will either animate or make a sound which is likely to appeal to a child.

The game is cleverly interlinked by a map which Noddy can drive round to each level and can be controlled by the child which forms a driving game in itself. They may end up enjoying this section more than the actual learning activities which would defeat the whole object of a learning package!

The separate word processing section of the package at first seems to be an excellent idea. A child can acquaint itself with the basic functions of a



Is Noddy a new man of the 90s, tied to the kitchen sink? I think not



Where do these animals come from? Oh no, lengthy explanations time

"grown up" word processor while increasing its vocabulary through the various word games and stories. However, the range of icons to choose from is a little confusing for a child and their concentration may easily wander.

There are a wide variety of activities included which range from Tricky Trees, a memory game where children must repeat sequences of notes, to Beach Sorter, where the aim of the activity is to place objects or animals into groups.

These are varied enough to keep a child's interest for quite a while but some levels may need lengthy explanations from a parent.

How much of a learning aid Noddy's Big Adventure actually will be is questionable. Although many parts of a child's early education are covered in this package, the way in which a child finds out whether they have successfully answered an activity is unhelpful.

Instead of pointing out why the child has got an activity wrong it, will simply say "No, listen carefully" for example, which may be quite disconcerting to a younger child. They may also become distracted by the not so educational features such as the driving game and the interactive screens.

Parental assistance may also be required for younger children to explain why they may be getting something wrong and to help them find the activity they want.

It's worth noting that Noddy's Big Adventure does require a minimum of 1Mb to run (2Mb if run from hard disk).

Shop Window

12-bit real time video digitiser with editing software
Supplier: Rombo
Phone: 0506 414631
Price: £199

Vidi Amiga 12 (RT)



The latest digitiser in the Vidi Amiga family offers a built-in VRAM buffer for real-time image capture in full 12-bit or 24-bit with additional VRAM modules at interlaced resolutions of up to 720 x 576. It is a solid development of the popular Vidi Amiga 12 AGA model we reviewed earlier this year.

As with other Rombo equipment, the 12(RT) hardware is crammed into a small plastic casing and attaches to the Amiga's parallel port. Two composite video inputs and a single five-pin mini-DIN Y/C socket on the rear of the unit give the user software control over the video source used, and there's an optional power supply.

Vidi Amiga requires 500mA from a 9V DC supply, but this information is only to be found on a slip of addenda put in the box with the manual. Users must supply their own PSU and ensure that it is of the correct type, and if they use the information properly there should be no problems.

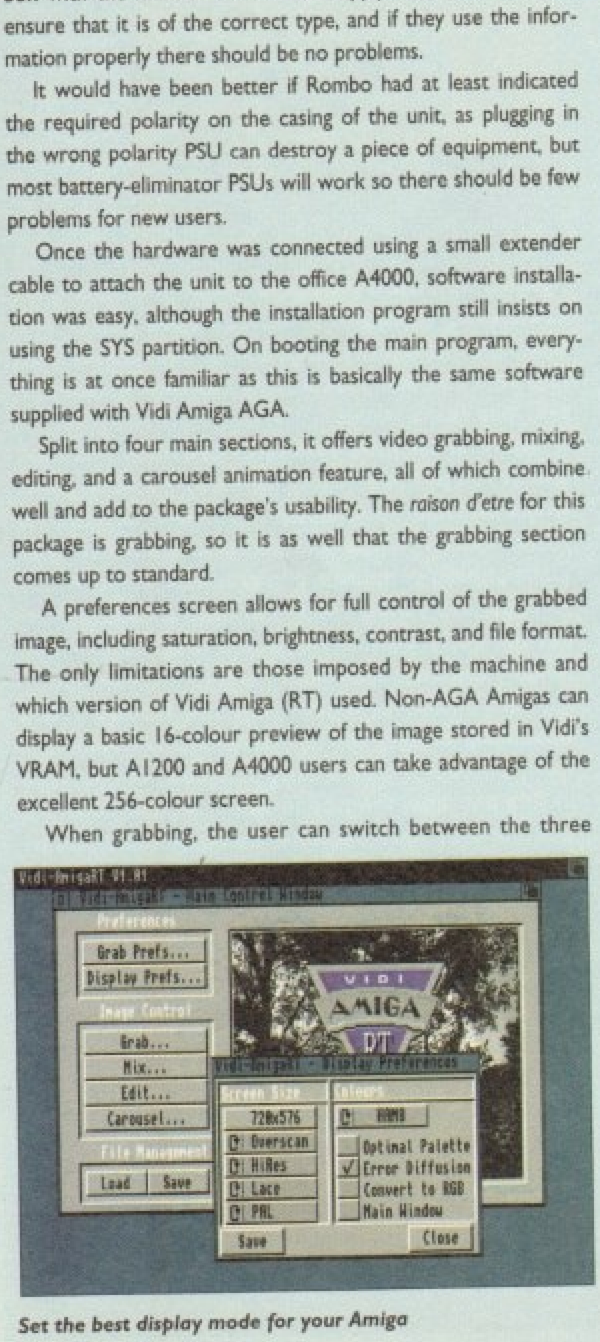
It would have been better if Rombo had at least indicated the required polarity on the casing of the unit, as plugging in the wrong polarity PSU can destroy a piece of equipment, but most battery-eliminator PSUs will work so there should be few problems for new users.

Once the hardware was connected using a small extender cable to attach the unit to the office A4000, software installation was easy, although the installation program still insists on using the SYS partition. On booting the main program, everything is at once familiar as this is basically the same software supplied with Vidi Amiga AGA.

Split into four main sections, it offers video grabbing, mixing, editing, and a carousel animation feature, all of which combine well and add to the package's usability. The *raison d'etre* for this package is grabbing, so it is as well that the grabbing section comes up to standard.

A preferences screen allows for full control of the grabbed image, including saturation, brightness, contrast, and file format. The only limitations are those imposed by the machine and which version of Vidi Amiga (RT) used. Non-AGA Amigas can display a basic 16-colour preview of the image stored in Vidi's VRAM, but A1200 and A4000 users can take advantage of the excellent 256-colour screen.

When grabbing, the user can switch between the three video sources by clicking a selection of radio buttons, and the controls for brightness and so on are duplicated. There is also a slider to enable a delay to be set and the number of frames grabbed in a sequence can be altered to suit the user's RAM or hard drive space.



Set the best display mode for your Amiga

Grabbing itself takes place instantaneously and the incoming video signal is stored in the on-board buffer. This is a 384k buffer in the case of Vidi Amiga 12(RT) and makes possible the grabbing of true 12-bit images in lo-res interlace full overscan (360 x 576), but the 24-bit version has a full 1Mb allowing 24-bit images at 720 x 576.

Users of the 12-bit version can upgrade their hardware for an additional £99, but the 12-bit grabs are so good that many will not feel the need. Clear and sharp with little or no movement blur, Vidi Amiga 12(RT)'s performance is a definite improvement over earlier models.

QUALITY

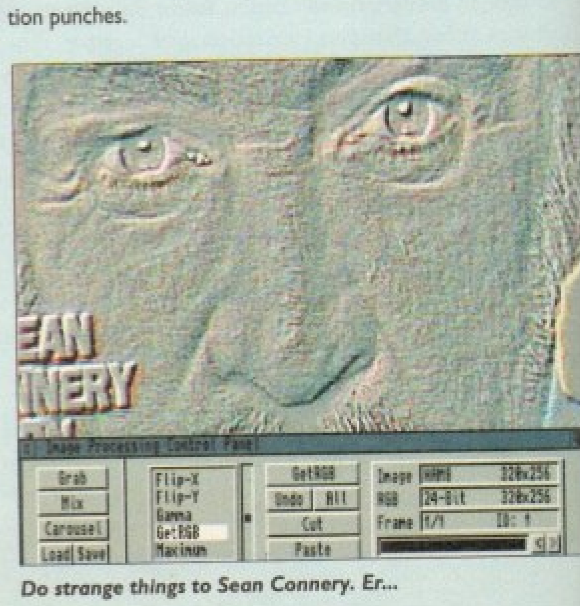
When the full 24-bit unit is used, the picture quality of the finished grabs is as good as any other unit on the market and the only feature now separating Vidi Amiga from V-Lab is the latter's infra red-controlled automatic grabbing software for capturing complete sequences of video.

For static grabs, Vidi's quality cannot be questioned, and as there are 24 image processing functions built in to the edit section, there are as many ways to save a grab as one could wish.

All grabs taken directly from video are stored as RGB data and the image processing features can be applied immediately. However, images imported from other sources or already saved out are also catered for because the edit section also has a Get RGB command to analyse any image and break it down to its three component colours. Images can be given the negative treatment (useful if you want to scan a colour negative and output the processed print), embossed, quantised, pixelised, sharpened, blurred, and just about anything else you fancy, but Rombo have dropped the Psychedelic filter (boo!) so beloved of rave fans will have to look elsewhere for comfortingly chaotic graphics..

In all, this is a very impressive piece of equipment which works well, offers a fair degree of flexibility, and fails point blank to crash or cause unnecessary problems.

As an evolutionary step it would have been a good enough development of the Vidi range, but on its own as a product to compete with V-Lab, Frame Machine and others, it is a strong contender with a good right hook and a neat line in combination punches.



Do strange things to Sean Connery. Er...

CUT, TICK & POST...CUT, TICK & POST...CUT, TICK & POST

MasterCard **TELEPHONE 0702 466933 FAX 0702 617123** VISA

PD SOFT (AC) 1 BRYANT AVE, SOUTHEND-ON-SEA, ESSEX, SS1 2YD

Featured Disks

V1209 .... GNU C++ COMPILER
Total Disks: 3 or £8.25 + (50p P&P)
Requires: Hard Drive (6Mb+ Free Space)
These's disks consists of the latest version of the GCC environment, Thus the compiler, driver, assembler, linker, header files inline code generation of library calls.

Special Products!

T1000 .. The A64 Emulator VERSION 3
Price: £54.99 + (£1 Postage & Packing)
* Just Released! The best selling Commodore 64 emulator just got even better! All new sound and graphics!! All new software It's now compatible with all Amiga's versions of AmigaDos and is completely multitasking! Fully supports Amiga hard and floppy drives and modems. The interface allows you to connect your C64 disk drives and printers to your Amiga. Actually runs faster that the original 64. New File transfer software! Dont throw out your old software.. use it again. Trade Enquires Welcome!!!

T1001 .... PC TASK VERSION 2
Price: £44.99 + (£1 Postage & Packing)
* The only software based PC emulator with Super VGA* graphics! This amazing program will lets you actually run MS-Dos software on your Amiga! Requires 1Mb RAM and an MS-Dos diskette (version 3.3++)* S-VGA graphics requires a AGA Amiga.

CD1-3 .... CDPD 1, 2 & 3 CD ROMS
Price: £19.99 each + (£1 P&P)

CD4 .... Aminet CD ROM
Price: £19.99 + (£1 Postage & Packing)
* More that four thousand files. Hundreds of applications such as GNU utilities, editors, hypertext, plotter utilities, modem and comms programs, Demos, Games, sound files, Source code and much more. Works with all ISO 9600 cd rom drives.

CD5 .... GIFs GALORE CD ROM
Price: £19.99 + (£1 Postage & Packing)
* Thousands of brilliant colour GIF images in dozens of categories! Viewers provided for MSDos, Macintosh, Amiga Unix, ect.

CD6 .... Demos 1 CD ROM
Price: £19.99 + (£1 Postage & Packing)

CD7 .... Fred Fish CD 1-910 CD ROM
Price: £24.99 + (£1 Postage & Packing)

CD8 .... Demos 2 CD ROM
Price: £19.99 + (£1 Postage & Packing)
* Another stunning compilation of New PD products. Even better than the first CD ROM!!

CD9 .... MultiMedia ToolKit! CD ROM
Price: £19.99 + (£1 Postage & Packing)
* Thousands of clipart images in various formats, B&W, colour and scaleable images, Postscript and Adobe fonts, modules, picture viewers, and much, much more!.

CD4000 .... Fresh Fish CD ROMS
Price: £14.99 + (£1 Postage & Packing)
* As from the 1st of November 93' Fred Fish produced his last FISH disk (FF910) Now every six weeks the only way to get the latest disks is on cd rom which you can subscribe to direct from the UK from PDSoft. Ring for details or use or credit card to start the subscription. Every cd will contain six weeks as cd's are dispatched from us (PDSoft).

T1002 .. Agatron Star Trek VIDEO VHS
Price: £9.99 + (£1 Postage & Packing)
* 25Min long Tobias Richter 24bit ray traced animation which took 6 weeks to produce.

T1003 .... Formula One Challenge
Price: £4.99 + (Postage & Packing)
* Manage you own Formula One Team. Multi-player or play against the computer.

T1004 .... PowerBase v2.1
Price: £4.99 + (Postage & Packing)
* Very powerful database capable of storing up to 10,000 records on a 1Mb machine. Lots of features and very well documented.

T1005 .... Power Planner / Diary
Price: £4.99 + (Postage & Packing)
* Two utilities that will allow you to keep track of appointments, birthdays and other important dates. PowerPlanner is also a data base which will allow you to store Names, addresses and telephone numbers.

T1006 .... The Ultimate Manager v1.05
Price: £7.99 + (£1 Postage & Packing)
* Is a football management game with a unique results system. You get to see all the other results and scorers during your game. The match happens is real-time so you can make changes when you see fit. Very easy to use. You can also view how a rival team may be getting on.

.... Grapevine Disk Magazine 17
Price: £4.00 + (Postage & Packing)
* The latest Grapevine magazine is now here! The the latest Amiga News and more.

** CLIP ART BOOKLETS **
Price: £3 (Includes Credit For 1 Disk)
If you use Amiga (IFF) or PC (PCX) Clip Art, We have now produced an 80+ printed catalogue of pictures for you to look through

EDUCATIONAL DISKS

V13 PLAY & READ CHALLENGE (2)
V546 KIDS PAINT A painting program designed for children.
V584 FASTFACTS Everything you ever need to know about the solar system
WORLDMAP Produce Maps. PLANETS.
V792 KIDS GAMES Geography, Math, Science and Word Games.
V793 AMIGA BEGINNER You asked for it! Tutorial for the beginner on using your Amiga! Covers CLI & Workbench.
V825 WORLD DATA BANK v2.2 Using a database of coordinates of the OA's, it plots world maps in cylindrical or spherical projects in degrees of magnification.
V849 LANGUAGE TUTOR v1.0 Spanish, French, German & Italian.
V908 DPAINT TUTOR Do you use DPaint, learn how to use it.
V927 CLI TUTOR Helpful program to understand how to use CLI & Shell.
V933 GCSE MATHS Program to help with the GESE maths courses.
V944 AMIGAWORLD Contains information about every country.
V1005 JAPANESE Help teach Japanese, Word-a-day & Vocabulary.
V1111 CHILD QUIZ Simple Quiz game with colourful graphical pictures from ages 5 upwards. Excellent little game.
V1163 6th FORM EDUCATION Contains Biorhythms, Calc, Elements, Huge,

Resumemaker, Typist, Wavemaker & more
V1166 TUTORS Contains notes & totors for the commodore Amiga.
V1167 MUSIC TUTOR If you want to learn to program in Music, learn this.
V1168 VISIT TO A RED PLANET Good action, colour pictures & voiceovers make this disk into a stunning production.
V1169 KEY QUICK Ideal for helping youngsters to get to know their keyboard.
V1170 COLOUR IT An excellent colouring book for kids and big kids.
V1172 DUNGS DTP Childrens work is even done with just the keyboard its a typing program with graphics abilities.
V1180 BACK TO SCHOOL 3 Contains Treasure Search, ReflexTest, Type or Die, more educations programs of kids.
V1181 COLOUR THE ALPHABET This program is for early learners which may help with letter & colour recognition and a bit of counting too. For the younger kids.
V1216 COLOUR CHANGES Within all of the game is to create a line of four balls in your colour. Requires 2 players at present.
V1217 JUNIOR MATHS Cut down version which features Counting function so does your child need help with numbers

VARIOUS UTILITY DISKS

V16 AQUARIUM Turns your screen into an eyecatching fish tank.
V262 DUPLICATION & BACK-UP Superduper, Turbo copy, Sanity copy
V277 FORTRAN-77 v1.3c Compiler, linker & run time support libs.
V298 NORTH C v1.3 Complete C language with all files needed (2)
V301 EYE OF THE BEHOLDER Disk Book with Maps, Strategy & Solution.
V323 ANALITCALC SPREAD SHEET The best spread sheet. (2)
V332 AMIGA PRINT PROGRAM Predict which horse will win the race
V350 BUSINESS CARD MAKER Design your own business cards.
V366 600 BUSINESS LETTERS Over 600 Standard Business letters.
V390 DESK TOP PUBLISHING Extra features, Text & Graphics Editors.
V392 AMICASH BANKIN Best banking program that I have ever seen.
V395 CHEMESTETICS v2.14 Draws molecules using the calotte model.
V401 WINDOWBENCH v2.0 Give your Workbench v1.3 a stunning new look and update your aging software
V420 ANTI-FLICKER Said to stop the flicker in High Res mode
V444 PRINTER DRIVER DISK III Now contains instructions on how to install them. Theres about 90 drivers
V479 CHESS & UTILITIES A collection of chess related Puzzles.
V489 AMIBASE PRO v2.0 This is most popular PD Database program.
V499 MESSY SID v2.0 Reads MS-Dos disks, Transfer any text files to & from an IBM PC, or PC to Amiga
V523 DICE C COMPILER (2) Matthew Dillons full featured disk C compiler & environment system.
V536 CATALOGUE UTILITIES A collection of Catalogue to Catalog disk/ Video & Tape collections (2)
V573 FILE & HD HDClick v2.0, File Minder, DiskSalv, Wiped & MRBackup
V575 HOME BUSINESS Based on word processing, Data Management, Spreadsheets, Accounts & Printing (4)
V583 ICON EDITOR III v2.0 Create icons upto 640x200 Edit or Create
V586 4D GOLF SCORES v1.84 It will record each round you play & Store it
V611 FOOTBALL LEAGUE v1.1 Want to update your teams league position.
V620 ASPICE v3.2 Full featured program for electric circuit.
V635 IBAN EMULATOR v1.5 Is a CGA Colour IBM-PC Emulator for Amiga.
V660 HOME MANAGER Is an address book, memo database, 2 disk list
V661 VERTEX Create 3d objects with out using the X, Y & Z orders. Loads Sculpt 3d, Now also contains Sci-Fi fonts
V662 DCOPY v3.1 PRO You can select the speed of the disk drive, Copy modes, Dos, Nibcopy, Ver & selecopy.
V678 DRAW MAP v4.4 You can generate world maps in detail views. 3d or 2d (2 DMB (2) or (2 Mb Vdk)
V681 GAME TAMER v4.59 Get a hold of that extra hard game with a Game Tamer. Over 50 Game Cheats.
V685 ASTRO ASTROLOGY v3.5b Best Astrology program on the Amiga
V690 WB 2/3 UTILITES Contains programs that should have been with WB 2.x Take full advantage of the many NEW capabilities that are available. (2)
V693 HARLEQUIN VIDEO ART A video production with backgrounds (3)
V698 AGRAPH v2.0 Brings the world of graphs to your Amiga computer.
V710 AREXX TUTORIAL Includes several samples of Arexx scripts & some sample programs. ARexx comes free on all Workbench v2.x and better machines.
V711 UNIX Working demo of Minix & Unix based System which is of course compatible.
V719 FREECOPY v1.8 Removes protected games copy protection so that the user can install them on HD.
V742 ONLINE v1.4 Program will allow you to find friends with games.
V763 PROFESSIONAL C MANUAL v3.0 is the largest collection of utilities, documents & examples for C. It consists of 4 disks with over 40 chapters (5)
V757 AMIGADEX v1.61 Creates a card index database system.
V759 TEXT ENGINE v4.0 Up-dated version of the Word processor with AZSPELL.
V761 A-GENE v4.18 The most popular genealogy program.
V777 VOICE CU V7.0 The idea is to control the CLI with your own voice.
V778 ENTASHOB v4.0 Complex Ray tracing package. 2Mb (3)
V783 FRACTALS Create, Edit, Draw Colour & print your own forms.
V783 PROGRAMMING TOOLBOX Many programs to help in your development. Arexx comes free on all Workbench v2.x and better machines.
V784 AREXX (2) disks which contain Arexx programs & examples
V786 PASCAL This disk contains everything needed to program in Pascal. Includes 68000 docs & library stucture.
V787 PROGRAMMER TOOLS GoldTools to design your user interface to your programs. Also Rag Tools.
V790 ANIMATION UTLS Includes CuraUtils for splitting, combining and creating animations from IFF picture files.
V791 DIRECTORY UTLS Highly recommended programs to make CLI tasks virtually obsolete.
V794 GRINDER Complete graphic conversion package that supports GIF, JPeg, Atari ST, Neochrome / Degas, PCX, Targa, TIFF, Ham-E and IFF Format pics.
V799 ADVANCED UTILS Includes SetNet & PatNet, Connect 2 Amigas & share resources via serial or Parallel ports. AlyMenu
V801 ELECTROCAD v1.42 & PRO TOYPER Electronics drawing Programs.
V817 A500 PLUS EMULATOR As it sounds will let v1.3 / v1.2 owners run WB v2.x+ software WITH-OUT any need to purchase the Workbench v2.x chips.
V820 BBBBS v3.9 Good Bandit bulletin Board System. Fures include up to 99 file libraries. Interface to extra devices
V821 SHOWDOS v1.43 Monitors Dos calls to see what library, devices, fonts are required if a program won't load.
V822 BACKUP v2.43 A Hard disk backup program that features, multi-drive support, full backup, compression
V823 POWERPLAYER v3.4 Very powerful, player with many features.
V826 AHDM v3.4 Hard Drive Menu. When placed in your startup-sequence, offers a 16 page menu
V827 REPAIR-IT (2): NewZap v3.3, Sector file editor. FIXDISK v1.2, Recover as much as possible from a defective disk.
V841 MODULA-2 Contains modula-2 language on the Amiga.
V842 SID v2.01 Sid can be used for various operations, like file copying, renaming, deleting, Moving, Formatting etc.
V844 DELITRACKER v1.3 Powerful & system friendly music player. Will play over 40 difference types of modules.
V845 G.M.J v3.31 Generate julia sets & complex Quaternion Julia slices.
V858 MUSIC MAKERS A selection of programs to produce your own music programs. Make your own music.
V859 AUDIO TOOLS Sound and audio production utilities (2)
V861 3d DESIGNER Graphic production utilities including Cligh, DDStrace
V865 IMAGE PROCESSORS Tools to perform wide variety of image processes
V866 MANDEL EXPLORER This is the best collection of Fractal Generating software utilities on the Amiga (2)
V869 ANIMATION ASST Will solve many of your animation problems. Includes ABridge, Players, DA, AnimTools (2)
V875 SPACE Helps you study, identify the Stars & celestial objects.
V876 SYSTEM TEST v4.1 Checks & reports on your computer.
V888 TRON CAD v1.0 The best CAD program with power functions.
V899 ABACKUP v3.88 A Powerful backup utility that may be used for HD backup & floppy disks. Sysinfo
V901 FIM v2.2 IntroMaker to create you own intros. IFF images.
V924 PLOT MAP v0.85 An extra disk for use with Draw Map v4.0+ Will allow use of the program with 512k RAM
V925 THE LITTLE OFFICE One of the best disks at the present time. Has a Word Processor and others
V936 LETTERS & BOILERPLATE Letters for you to use as your own or cut & paste into a Word Processor
V942 SCREEN BLANKERS A wide choice of screen blankers, including the Twilight Zone blanker along with 10 others.
V943 AMAPUNAVIA v3 Mindbogglingly colourful plots can be produced from a mathematical formula. AGA support
V945 PROPAGE 3 ENHANCER Over 40 genies to be used with ProPage 3.0, including shadowed clipart for ProPage
V946 SYSTEM OPTIMIZER KCommodity gives you memory meters, Ifixing will optimize hard / floppy disks for big speed increase. HDMem virtual memory 2 Meg of HD space for 2Mb
V947 ONLIPLOT is a command driven interactive function plotter. Creates function/plot graphs of mathematical functions. Requires a hard disk drive
V948 INTUITION BASED BENCHMARKS v6.0 Contains all the best BMs like Dhrystone, Sysnage, Math & Math
V949 TESTS Contains all of the classic speed tests and system checks we could find. Includes CPU Speed, & a full featured system diagnostic tool & more.
V951 PROTECTION Is a collection of utilities aimed to protect your Amiga against outstanding Hits & Document File Looking data files with a Password
V952 x-BENCH v1.0 (2) Complete solution to the replacement Workbench, Contains LostHope, View, Virus Checker, Power packer & DCopy2
V958 CLUB LEAGUE Is a utility that will allows you to edit and keep track of your divisions/league stats.
V962 SUPER KILLERS v4.1 (2) The latest Virus Killers like BootX v5.23b, Virus Checker v6.33 and Virusz v3.14
V976 WB v2.04 UTILITIES 6 Next collection of WB v2.04+ utilities.
V977 FILE & HD No.5-6 Next Excellent collect of HD utilities. (2)
V979 NCOMM v3.0 Is a communications program based on Comm v1.34 with lots of very nice enhancements
V980 KICK v1.4 Will down grade A500+, A600, A1200 users machines to run software that would NOT normally work. Turns them into a Workbench 1.3.
V983 MEGA CHEATS v3.0c Now contains over 500 cheats.
V984 PROTRACKER v3.0a The latest update version from Norway, Various bugs fixed and 70 new features.
V988 ZIPBENCH v4.0 Another Work-

bench replacement but contains excellent utilities like, powerpacker v2.2a, powerplayer, Sysinfo, VirusX, Archiver, Jobs, Bootlimit, Dmagic, Fist Aid Box (2)
V994 THE MONEY PROGRAM v1.5 Features include upto a maximum of 60 accounts, upto 50 direct payments.
V1000 GRAPHPRO v1.0 Written with Amos pro by David Jordan. Basically takes a set of data, plots them on a graph.
V1001 VMORPH v2.1 Will allow you to create smooth morphs/warps between two different images over a period of frames to create an animation.
V1002 RAMOS PRO v1.12 If you have Amos Pro then this disk will make your programs Boot without the program.
V1003 NICKPRESS Is an enhancement to WB 2/3 which adds 3 new preferences WBPicture, BuzzyPointer & Floppy
V1005 WORKBENCH 3.0 UTLS Contains the fist batch of A1200 and A4000/ 030/040 Utility programs
V1006 TURBO TEXT v1.1 Excellent Word Processor. Very impressive version
V1013 POOLS PREDICTION A helping hand with the Pools.
V1014 OCTAMED v2.1 Music editor which was designed for making music.
V1017 POSTSCRIPT v1.86 An excellent Postscript interpreter for the Amiga which implements the full Adobe language (3)
V1021 (AGA) SCREENS Enhance your Workbench disks backgrounds with theses nice full coloured pictures
V1022 LITTLE TRAVELLER v1.1 Shows world map & you can select any country for travel information, Zooms up another close up map with more detail.
V1023 QUIZ Contains Questions & Answers with the option to add
V1024 (AGA) MANDELSQUARE v1.6 Generated enhanced AGA set images, repaint and numerical presence. You can create 256 colour coloured pictures
V1025 TERM v3.4 Comm program. Xpr transfer, filetype xfer with download, cut & paste, point-and-click, auto upload/ download, VT102/VT220, Ansi emulation, powerfull phone book & ARexx support (3)
V1034 ADM v1.01 Flexible address database with loads of great features.
V1037 (AGA) A1200 WB HACKS An excellent collection of Utilities & Hacks
V1038 AMOS PRO UPDATER v1.11 Ist Update to the Amos Professional
V1039 HARD DISK INSTALL If you need to install your A1200 HD then you need this. Workbench 3.0 also requires disk V1075
V1040 bBASEIII v1.3 An easy to use, versatile, yet full featured database. Greatly improved over the old bBase II
V1041 DIGITAL BREADBOARD Full featured digital circuit simulator
V1043 SUPER DARK v1.5 A screen blanker like After dark from the MAC
V1044 FANCY PRINTING Banner, Graph Paper v1.2 and Disk Print v3.59
V1045 uDRAW v1.0 Provides a mechanism for the robot drawing of schematic diagrams. Bitmap oriented
V1046 THE XI RAVE SAMPLES Gravett Walt's IFF 808 State samples
V1048 HAM-8 VISTAS Collection of Ham-8 Vista drawings (3)
V1051 EASY CALC v1.0 A spread sheet designed to be both easy to use and fast. Built in excellent help system
V1054 ADVANCED UTLS 2 Compress Disk doubles the capacity of your floppy's & HD with compression. Also DiskOptimizer, SCSI Mount and more.
V1055 PARBENCH Will allow you connect two Amigas via their parallel ports, with a special cable.
V1056 DEVELOPER Contains the official Commodore developers Kit for the Amiga Guide & Install utilities.
V1057 EDPLAYER Music MOD player that looks, acts & plays like a CD
V1058 3D GRAPHICS Several 3d modelling/ray tracing programs
V1059 GRAPHICS Create stunning galaxy images. Roses, Rayshade
V1060 CIRCUIT BOARD DESIGN Includes mCAD v1.20 and several terrific routines for the electronic enthusiast
V1061 DISK UTLS Several highly recommended programs for performing the hard drive backup, file recovery, and broad disk validation
V1062 DESKTOP PUB Transfers Macintosh screen fonts. AFM metric files to Amiga fonts/Page metric files.
V1063 RIPPERS, STRIPPERS & BEATS For the music enthusiast, design-ed to strip music from your favorite games
V1067 3D OBJECTS 3 About 20 objects in Sculpt / Turbosilver format
V1069 PRINTER DRIVERS 5 Desk-jet like Canon, Citizen, OKI, Ricoh 6P1200, Canon BJ200, 130, LPB, 10e, PJ1080a HP Paintjet.
V1070 (AGA) UTLS 2 256 colour icon editor, Plasma(256), QuickCredit v1.1
V1071 (AGA) MSM v1.28 Martins system monitor for programmers
V1072 (AGA) WINBLENDER v39.28 Create excellent/stunning AGA fractals. Also contains 68030/040/FPU versions.
V1073 FT-X ACCOUNTS v2.01 Was written as there are not ready any other good account packages.
V1074 (AGA) UTLS 3 Collection of AGA based utilities, includes Kill AGA Which allows you to run old badly written programs including demos & some games.
V1077 GENEALOGIST v3.04 Is a specialized database for keeping track of genealogical information. Full featured & a wide selection of features to use.
V1078 PC TASK v2.03 Software IBM-PC emulator. Allows you to run the major- ity of PC software with no additional hardware. Now supports VGA, EGA, CGA and MDA. Full version £44.99 see below
V1079 KEYBOARD TRAINER v1.1 Public Domain Typing Tutor. Excellent
V1081 REPAIR-IT 3 Contains a selection of Disk, Hard Drive repairing and file saving utilities for the Amiga.
V1083 CROSS v1.5 (AGA) Create and print out your own crossword puzzles.
V1084 SPECTRUM EMULATOR v1.7 This is the best & latest version of the most sophisticated emulator for the Amiga. There is an 020/030 versions now on the disk which

enhance the games on disk. (2)
V1087 STOCK ANALYST Technical analysis and securities tracking program which can calculate when to buy & sell shares.
V1088 WB v2.04 UTLS 7 Contains ChkFrag, DPCS, FastDos, Formatter, No-Click, UnDelete, KeyMac, MegaWB, MR, I Plane, Opent, ResumeMaker & StartBasin
V1090 ANDYS (AGA) UTILS Another selection of utilities for A1200 owners also excludes FakeMem, KillAGA, AGATest, Degrader and much more.
V1091 ASTRONOMY v2.0 A menu driven astronomy program that calculates information about the Sun, Moon, Planets and Constellations. Help Disk.
V1092 HEROQUEST AID Will aid solo AD&D players who do not have a Dungeon master at the present time. It takes over the DMs role. Good or what
V1093 PARNET SET-UP (2) A two way network file system between two parallel ports, establish via two amigas
V1095 THE DEGRADERS If you have trouble running software on an A1200 or A4000/030/040 give this disk a try it will emulate the basic 1.3 rom better that any other software on the Amiga at present.
V1096 MING SHU CHINESE ASTROLOGY Will create a horoscope in seconds not hours. The complete aid.
V1097 BETTERBENCH Yes its another interesting Workbench utility disk packed 99% full of utilities and documents
V1098 KICKSTART 3 EMULATOR This disk is a multi kickstart selection utility disk. You can select Kickstart 1.3 (34.005) Kickstart 2.04(37.175) or Kickstart 3.0 (39.106) No ROM machine but your Amiga. To use, you must have a superior Workbench ect.
V1099 FILE-O-FAX Designed for you to work at your own leisure without worrying about forgetting those important meetings, or names, addresses, tel No's
V1100 AMIGA DIARY Is a menu driven diary capable of storing all personal events and is the solution to those forgotten birthdays, missed appointments ect.
V1101 RJ UTLS This disk contains helpful image processing and painting programs. Like PerfectPaint v3.34, ImageWorkshop v1.3, an IFF Manipulator.
V1102 DT UTLS Contains Border for WB v2.04+ machines, MakeKickFile, SKick v3.34, is a replacement for kick-it, Z Kick and Kick lovers. It will softkick any other version of Kickstart into ram.
V1103 TEK-ATAK MODULES An excellent helping of wonderful music for your own productions or to listen to.
V1104 COLOURED ICONS Transfer your disks into colourful/well presented works of art with this database.
V1105 VIEW TOOLS Contains Convert, ViewTree, a Famill tree easy to use database program, ViewPane, an British telephone storage database. ViewDisk, is a small disk catalogue utility.
V1106 MAJOR LEAGUE Allows you to keep track of your favorite teams and there results. Data entries (2)
V1119 THE AREXX GUIDE Full AmigaGuide documentation to help you Arexx!! Tip, filled with easy cross referencing.
V1120 TERMINUS Modem Terminal program. Full featured. Scripts/ screenmodes/overscan + all popular transfer protocols.
V1121 (AGA) BLANKER BlitzBlanker for WB v3.x. 14 different blankers to work show off your AGA machine!
V1122 PANASONIC STUDIO Special printer Preferences editor and driver system for all Panasonic 9 & 24 pin printers.
V1123 CANON STUDIO Special printer Preferences editor and driver system for BJ 10, BJ 300, BJ 330, Canon printers.
V1124 PRINT LABELS DocDump2.1, Envelope Print v1.2, Inlay Maker v1.4, MC master v1.1, Banner Maker v1.2 ect...
V1116 POOLS WIZARD JNR Dead-cert Amiga Football Pools predictor
V1117 X-BEAT v1.2 A good program for drum sequencing 16 bass.
V1121 SHAYERA'S TOOLS Contains IFF2RAW, Matchfun, KickClick, PlayMelon, SetStar, TrackPlayer v1.92
V1123 DIGITAL DREAMS UTLs Contains Trax, Pksfdex, Ikbs Map, Titans cruncher, Protect, VC, Scrabble II, Boot Block Champ II and File Protect.
V1125 LEMMINGS 2 INSTALL This disk will install Lemmings 2 to your hard drive. Wb Chip RAM + 512k RAM
V1129 RED DRAWF TRIVIA The ultimate Quiz and answers game.
V1130 COMMUNICATE v1.2 A helping tool for teachers of the eight formats of communications or languages
V1133 NUMPAD v37.3 Emulates a numeric keypad on some Amiga Keys.
V1134 TOOLMANAGER v2.1 (2) Includes the ability to add menus to your Tools menu, add WB icons or Windows.
V1136 DISK UTLS 2 Copy, CA tool for making backup copies, formatting ect. DiskMate A multi-threaded copier, DiskSalv 2, Disk repair, salvage & undelete util, HDClick, HD menu & workbench tool.
V1137 (AGA) UTLS A Test, BBlank, CheckerGA, CyclePalette, Doubles, Force VGA, GIF Datatype, PKLudge, PPShow, Rend24, ViewTek & VertJeut
V1138 (AGA) UTLS 5 Degrader, PowerRay, AmigaToDouble, CardWarnLast, Palette, Promotor, RomTagMem.
V1139 (AGA) UTLS 6 A409 Patch, Alert Timer, Bestld, Clouds, Ham8 JPEG, NewPOP, NTSC/NTSC, PatchPointer, Plasma ICCX & Screen Mode changer.
V1140 FOOTBALL FORECAST This is the latest and most upto date football results prediction program.
V1141 MANDELPLOT v2.4 Doesn't just produce 2d fractals, can view them in 2d or 3d modes, make animations, even design your own fractals. Fastest mondel-brot producer! (5 seconds on an A500)
V1144 GRAPHICS Contains JPEG files, DJPEGGui v37.1, MakeAnim7, BestAGA anim playback. S-Anim-5 v1.1, S-PIC v1.2
V1145 MENUMASTER III If you want to produce a simple menu system this is the one for a hardisk or floppy disk
V1147 EASYBENCH Contains a wide selection of utilities which covers almost all the best utilities on the Amiga (2)
V1152 GOLDED v.94 A GUI based editor with lots of functions/options (about 250), DICE compiler front end, OS3 look & functions, folding, paragraphs, fully customizable menus, keyboard, mouse, popup, Insert columns, Clipboard & more. (2)
V1153 AMIGABASE v1.31 A programmable database, features include 2 disk files, supports filter/datatypes, search, printing, memo text, date, time, Data only limited by memory size.
V1154 MAGIC MENU V1.27 Replaces all intuition menus, supporting both pull-down and Pop-Up menus. Menus can be displayed in a 3d look.
V1155 PHXASS v3.3 A complete macro assembler which supports all important Motorola processors.
V1156 VIDEO TITLER Can you generate professional looking TV titles and credits for your own videos. Well you can with this, it

has outstanding abilities like very smooth scrolling, colour slides IAGA support and use of colour fonts. See Flechter Fonts
V1157 DINOWARP TRIVIA You land suddenly & appear in front of a Dinosaur who agrees to let you go if you answer 50 questions.
V1158 BACK TO SCHOOL Is a collection of the best Public Domain & shareware educational programs which will demonstrate to the youngest kid how to learn on the computer while having fun. (2)
V1160 NOSTROMO CHEATS v1.1 The best adventure solution disk ever made with over 500 arcade cheats.
V1161 GOALKEEPER v1.0 Computer soccer administration program. Create your own Mini Football leagues upto eight teams, Fit for the European, UK leagues.
V1164 ASI A1200 FIX DISK Contains all what you would need for getting disks to work on your new A1200 computer.
V1174 SAMPLES UNLIMITED A selection of instruments for all music programs like OctaMED, Sound Tracker.
V1175 UDM v3.0 Do you want to produce a utility disk of your own, well this disk will put you on the right track.
V1176 NO SAMPLER Contains Frame number III, Freeman Ripper, Sample Maker, R.I.P and loads more.
V1178 KICKSTART 1.3 EMULATOR This disk is a multi kickstart selection utility disk. You can select Kickstart 1.3(34.005) Kickstart 2.04 (37.175) or Kickstart 3.0 (39.106) No ROM machine but your Amiga. To use, you must have a superior Workbench
V1179 FILE-O-FAX Designed for you to work at your own leisure without worrying about forgetting those important meetings, or names, addresses, tel No's
V1184 AMIGA DIARY Is a menu driven diary capable of storing all personal events and is the solution to those forgotten birthdays, missed appointments ect.
V1185 GENIE Is a new genealogist database which will keep track of info.
V1190 TECHNO MODULES 1-5 Yet another helping of RaveTechno music from the European map. Modules to rocker (5)
V1196 DESKTOP VIDEO Is a disk with many tools for video creation. Helps making and editing your very own video master pieces. Contains excellent software
V1200 MAGIC WORKBENCH Is a selection of icons or items to enhance your Workbench screen and enviroments.
V1207 OCTASTUFF A new collection of utilities come samples come modules for use with the famous OctaMED programs
V1208 OCTAROCK A selection of rock orientated modules and samples (OctaMED)
V1213 PROGRAMMING LANGUAGE This contains the Programming languages like, Ace, Amigaat, Amigaddo, SBProlog, BCPL4AMI, EGUI, Pascal and others (3)
V1219 THE AREXX GUIDE Full AmigaGuide documentation to help you Arexx!! Tip, filled with easy cross referencing.
V1220 TERMINUS Modem/Terminal program. Full featured. Scripts/ screenmodes/overscan + all popular transfer protocols.
V1221 (AGA) BLANKER BlitzBlanker for WB v3.x. 14 different blankers to show off your AGA machine!
V1222 PANASONIC STUDIO Special printer Preferences editor and driver system for all Panasonic 9 & 24 pin printers.
V1223 CANON STUDIO Special printer Preferences editor and driver system for BJ 10, BJ300, BJ330, BJ 800, BJ 130, 10, 20, 200, 230, 300, 130.
V1224 SUPER VIRUS KILLERS From Safe Hex Int'l, who catalogs and kills Amiga Viruses worldwide a complete virus protection system.

GAME DISKS

1073 TETRIS ORIGINAL This is the closest game to the original tetris
1210 TETRIS If you want a 1 or 2 player Tetris this has to be 1 of them.
1749 SCRAMBLE Original that old classic game from the arcades
1977 POM POM GUNNER Shoot down world war II air planes in this Operation Wolf style type game.
2018 JETMAN Spectrum classic on the Amiga with all the original sounds.
2022 SEA LANCE The first Silent Service type sub war game on PD
2054 ATIC ATAC A rendition of the game from the original Spectrum
2164 DUNGEON ON NADROJ This is the best D&D adventure type game.
2220 STRATEGIC GAMES Tanks of Rome, Lords of Hosts, In Moonshine.
2221 MIND GAMES 21 of the best games to challenge your mind
2272 BLACK JACK LAB Play all the popular versions of Pontoon
2278 CARD SHARP Very well presented selection of solitaire games.
2280 DIPLOMACY 2Mb Classic strategy game loosely based on World War
2411 TOTAL WAR Strategy world conquest type game. 1 or more players
2432 GOLDEN OLDIES Galaga, Galaxian, Space invaders, Asteroids, Batty & Missile Command the Classic selection.
2447 CONDROP Fruit Machine simulator with various gamble modes.
2448 CRAZY SUE Another first rate cute school girl platform game.
2480 FRUIT MACHINE 2 As near as possible to the Arcade machines
2491 LEGEND OF LOTHIAN Excellent role game in the vein of Ultima.
2498 AMOS CRICKET Excellent arcade cricket simulator with nice graphic.
2614 TETRIS is a 1 or 2 player Tetris. The 2 player game is Head 2 Head.
2617 GOLDEN OLDIES 2: Crook, is a 1 or 2 player Froggie. BiPlanes is 1 of the most addictive games we've played here. Trail-Blazer, as the C64 Classic. Scramble
2620 DR MARIO You must move coloured pills down the screen.
2621 ETERNAL ROME Start the Roman Empire from 320BC. Build fleets, armies & attack other countries and armies
2622 DONKEY KONG Platform game in which you must rescue the girl.
2676 MORIA v5.4 Loads of new features, better graphics, larger, graphics, dungeons, screen updates, overview of dungeon's map, more information ect.
2724 NEIGHBOURS Is the best graphical adventure game to date (2)
2738 AIR TRAFFIC CONTROL Try to guide upto 100 planes into the AirPort
2802 CARD-O-RAMA Sea haven, Crib Klondike, Black-Jack, Spades, Street.
2825 ALL ROUNDER A Cricket simu-

lation with great graphics & play
2854 SPACE INVADERS II A revised old classic Space invaders game.
2864 FIGHTING WARRIORS A karate combat fighting contest game.
2932 NUMERIX Enjoy puzzles then this is a must. You have a scrabble board & you must place letters blocks to get points.
2987 BOMB JACKY A conversion as the original Bomb Jack. It's as the best!
2988 BALDERS GROVE This is a pure Boulder dash with a selection of levels that work fully on Workbench 2, or higher
3037 SSW A game for 2 based on Space Wars but with many extra features.
3039 ASTEROIDS II v0.85 The best version of Asteroids I have ever seen, if you like Asteroids then this is for you.
3040 TETRIS (AGA) If you like tetris, you need this disk. AGA graphics.
3075 18 HOLE GOLF (2) The first excellent golf game Theres fully selectable speed & power functions combined with surpub graphics top a great game.
3162 SON OF BLAGGER This is a classic C64 platform conversion. Can you remember how active it is to play.
3214 UNIV CONQ A strategy game where 2 human players battle for control of the universe. Status information is continually updated to allow the player to concentrate on strategy. digitized pictures (2)
3234 SYSTEM DEFENDER If Defender is the game and this is the game for you, in true defender style it retains all features.
3235 ALIEN BASH The game is set inside a prison for the galaxys mentally unstable, you have been imprisoned there along with a bunch of your mates. Rescue your friends by shooting
3252 BONDMINE 12 A well produced game in the vain of the classic Boulder Dash games.
3253 OPERATION METEOR Set in 3d graphics in which you must travel around in a stunning adventure.
3265 WIBBLE WORLD GIGGY Wibble World of Giggia Mainia hits town Yes you can enjoy the trils of controlling an egg shaped character for free. Solve puzzles avoid the monsters
3283 NECESSARY ROUGHNESS (2) As headcoach you will have to call the playsthat you think will be most effective to the game. You will then be able to see the action, followed by a brief summary of what you have just seen. American Football
3285 THE ENTITY v1.1 You play the role or i should say control the stix and you're being invaded by the Entity.
3286 AIR HOCKEY Is a bat and ball game based on air hockey from the amusement arcades. 2 players.
3287 ROAD TO HELL (2Mb) Is an overhead view driving game like HeliRod and super sprint. Theres a helping extra which can be bought from the shop like enhancedtypes, Better Engines, Rockets, Smoke screens ect.
3310 STARBASE 13 (2) Is a graphical adventure, simular in style to monkey island or Operation Stealth. The controls are easy and they do are fairly obvious.
3370 DIGITAL TETRIS Is a One or two player Tetris game with neat graphics
3371 SUPER PRIX This is the closest variant game of Super Sprint on the Amiga
3383 POPEYE Is one of my old faves from the C64 computer. Very playable.
3384 BLOAD RUNNER Remember that old classic game, well here it is.
3397 SPACE INVASION Another conversion of Space Invaders.
3401 JETTY QUEST This game is a cross between QBert and Block it with makes it an excellently addictive puzzle game.
3411 KINGDOMS AT WAR This is a 1 to 4 player Risk type game with neat and colourful graphics and presentation
3412 THE LAST REFUGE Is a Space Invaders variant set in the middle ages.
3413 DARKSTAFF Is another classic game this one from the spectrum world
3414 CONQUEST & DOMINATION An excellent strategy war game in which you can battle with troops, Tanks, Guns, Planes, Bombers, Battle ships, Nuclear ammo, trains, tankers, Build buildings ect.
3428 CLASSIC TETRIS GAMES For all you out there with a tetris fix, heres a little selection to keep you hoppy.
3434 MR MEN OLYMPICS Heres a fast action joystick wagging game for all true Olympians or just crazed Mr Men. (2)
3436 (AGA) MOTOROLA INVADERS Its just another excellent AGA very large graphics space invader type game. (2)
3465 ROULDIX Is a action puzzle game with 32 colour graphics, over 500 different objects, and is a variant on the most excellent arcade classic BoulderDash.
3454 (AGA) KLONDIKE (3)
AS5121 BRAINBOW Is an unusual board game, which will have you taxing your brains for hours. Rather like a version of the pile-up Scrabble
AS5123 ARTILLERUS II Show your opponent with this one or two player game.
AS5127 SHANGHAI 93' A brand new version of the old game called Dragon Tiles.
AS5138 SCORCHED TANKS This is a enhanced version of Artillerus II with over 25 different weapons and upto 4 players.

STAR TREK SELECTION

AT05 KLINGON D7 CRUISER Tires torpedoes while passing by NCC-1864
AT10 ENTERPRICES Leaves the Star station dock NCC 1701-A classic original
AT22 APPROACHING VESSELS
AT23 STAR TREK FLEET MANEUVER
AT33 THE PROBE II & BIRD OF PREY
AT34 LEAVING SPACE OFFICE Docking, Attack mode, Bird of Prey Scout attacking.
1060 STAR TREK * TNG Game
1081 ULTIMATE STAR TREK (2) Game by Tobias Richter. Now in English.
2222 STAR TREK TNG This is the latest quiz game based on the T.N.G. (2)
2501 STARTREK / Jimbo Barber (2) 2dd
2503 STARTREK / Eric Gustafson (3) 2dd
2926 STAR TREK THEMES! (2) The original sampled version of the Star Trek themes. Now sample of your friends. This volume features 6 more cult shows from the 60s & early 70s include complete Episode Guides, Indepth
3108 STAR TREK: DEEP SPACE 9
3386 (AGA) STAR WARS SLIDESHOW
3420 (AGA) STAR WARS SLIDES (6)
3453 THE NEW STAR TREK ANIM (2)

LATEST DEMO DISKS

3410 (AGA) CROM MEGA DEMO
3389 RAGE MEGA DEMO
3388 EXTENSION MEGA DEMO

PRICES (Prices are Per Disk)

1... disk £3.00		2-5....disks £2.75	
6-10....disks £2.50		11-20..disks £2.00	
21-50..disks £1.75		51+.....disks £1.50	

Special Offer Order 14 Disks for £22.00 + 50p P&P and 24 Disks For £32.00 + 50p P&P (UK)

EXTRA BITS
MOUSE PAD £3.49 ❑ DUST COVERS @ £4.49 ❑ A500 ❑ A600 ❑ A1200 £4.99
❑ 3.5 CLEANING KIT.................£3.49
DISK LABELS 3p Each / Min 50 or ❑ (£11.99 for 1000. Includes P&P)
DISK BOXES ❑ 40 £5.49 ❑ 80 £8.99
CATALOGUE DISKS (£2.50)
1Mb 2Mb A1200 A500 500P A600

ORDERING BY POST
Please tick the boxes to the left of the disk numbers with a Pen, Hi-Lighter or just outline the disk (s) you would like to order. After selecting the disks, fill in your Personal details on the order form provided. CUTOUT or copy this advert & Post it to the Address above. Hand written orders are also accepted. If you have ordered before please tick the Account box or just fill in your number which was on the previous delivery note. Orders with cleared funds will be sent by 1st class post within 48 hours same day dispatch.
COLLECTING DISKS
You can now collect any disks from our office address which is Unit 2, 6-8 Durham Road, Southend-On-Sea, ESSEX, SS1 2YD When collecting your disks there cheaper.

PUBLIC DOMAIN & SHAREWARE
The Disks contained within this advert are Public Domain or Shareware unless otherwise stated. Almost all the disks have got Instructions & install routines. Please remember that the cost you pay is in for the duplication & not for the programs on the contents of the disk(s). Remember that Shareware is not FREE and if you like it, Register it with the Author.
CODE NUMBERS
\+ Works with Workbench 2.0
^ Workbench 2.0+ Only
* Works with Workbench 3.0
^^ Workbench 3.0+ Only
\> Not A600 Machines
! Not Workbench 3.0
(?) Requires (?) Amount of disks

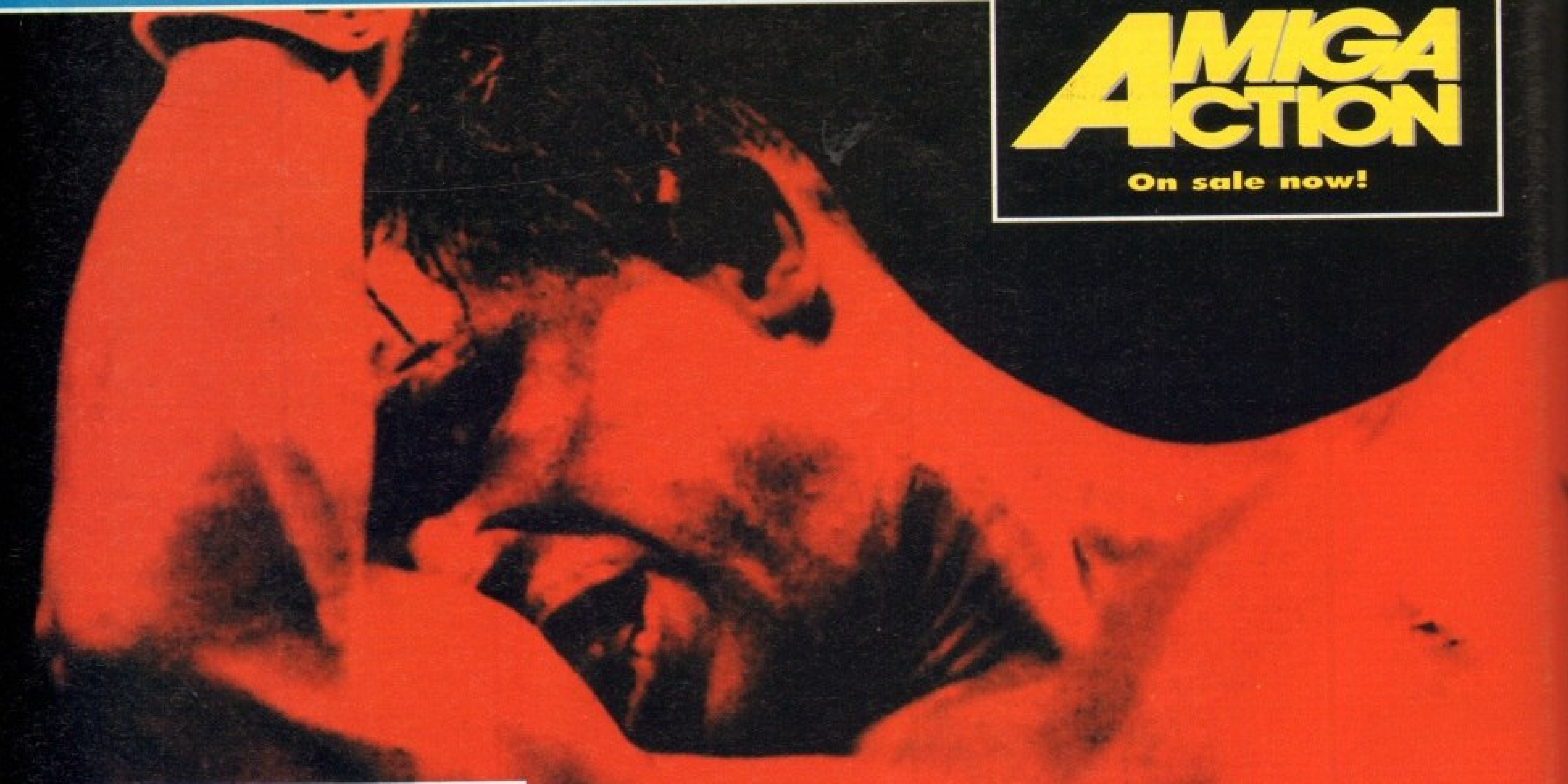
PAYMENT DETAILS
Please make Cheques, Postal orders, Euro Cheques and Bankers draft's out to PD-SOFT. Credit Cards can be used. Overseas Cheques Must be Drawn on a UK Bank (No overseas Postal Orders can be accepted). For fast despatch Cleared funds only.
OVERSEA'S ORDERS
When ordering from outside the UK there is a minimum order of 5 disks. Please add 20% of your order's total (Min £2.00) to cover Air Mail postage. UPS Delivery is Now Available ask us for more details or a quote.
POSTAGE & CARRIDGE
There is a Postage and Packing cost to be added onto every order of 50p. If you would like Recorded Delivery add (£1.25), Special Next Day Delivery (£4.50).

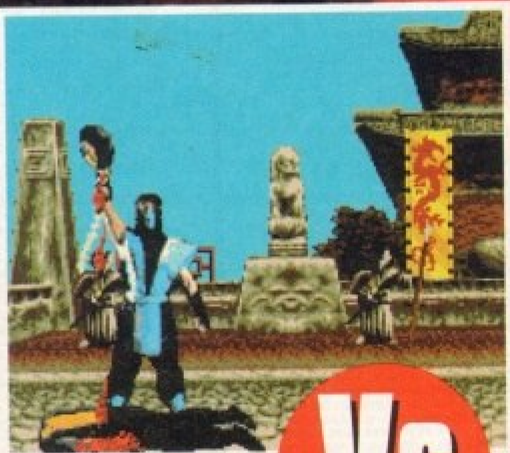
Your Name		A/c No
Address		
Post Code	Telephone	
Card Card No		Expiry Date
Signature	I enclose cheque/PO for £	

The magazine...

AMIGA ACTION

On sale now!





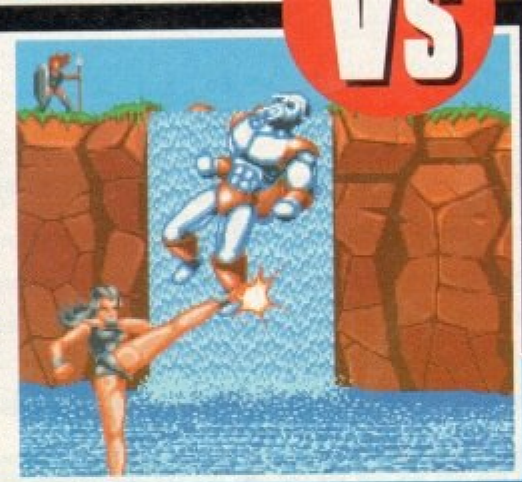
MORTAL KOMBAT

Vs



ELFMANIA

Vs



BODY BLOWS GALACTIC

With a FREE 40 page solutions booklet, two game-packed disks, every new game reviewed PLUS an in depth analysis on the battle of the beat'em-ups, we strongly recommend you check us out...

...that packs a punch

Software Spotlight

With so much attention being lavished on Lightwave, Paul Austin redresses the balance with a round-up of the opposition

With the huge array of renders and ray-tracers flooding the market, picking the right package has become increasingly difficult.

It's a factor that's been compounded further by the degree of excellence inherent within all recent releases. In this month's column the aim is to side step the technicalities and concentrate on practical application – hopefully targeting the perfect solution to your particular videographic problem.

Now before hundreds of irate punters put pen to paper extolling the virtues of the old guard – Videoscape, Sculpt and others of that ilk – it must be stressed that the aim here is to highlight the best choices for those who've evolved from such software and are planning to compete with the latest 3D creations within corporate and broadcast productions.

Real3D Classic

Formerly known as Real 3D Turbo, Real3D Classic was the main contender against the onslaught of Imagine. Being a convert from Real3D to Imagine I can see the relative benefits of both systems.

Although both are employed by professional artists with equal relish, I'd say that Imagine would be more to the taste of the purist who wants believability and doesn't mind investing time and effort to get it, while Real Classic provides an easier method of producing very high quality corporate logo material – which although excellent, can lack the subtlety of a similar Imagine image.

The primary cause of this slightly artificial look is Real's dependence on primitives which tends to lend to a slightly Lego-esque look to the final image or anim – a factor which isn't helped by the relatively basic mapping options which don't allow the multiple maps of Imagine, Aladdin 4D or Real3D v2.

Animation is again slightly lacking in comparison to Imagine primarily due to the added flexibility offered by the rather idiosyncratic Cycle editor within Imagine.

However it must be stressed that Real Classic is by no means basic and when this is combined with the best anti-aliasing on the market the program's appeal for corporate applications is pretty hard to ignore.

Caligari 24

Unlike the other packages, Caligari is a renderer and not a ray tracer. This simply means objects will reflect the sky and the ground but not other objects in the scene. In practice the end result is that real world emulation doesn't match up to the others, but to be fair that isn't what Caligari is intended for. In short, Caligari is the ultimate corporate anim generator. Thanks to the program's relatively basic rendering and mapping options it will never match up when it comes to clever images.

However that's probably a fair price to pay for one of the best modelling and animation environments on the market. If you're purely interesting in graphics that will animate beautifully but always look computer-generated, Caligari is the perfect combination of ease of use and power animation – and all at a unbelievably cheap £99.95.

Imagine2

To be honest I must admit to being slightly biased towards Imagine courtesy of prolonged use. However being aware of the problem is half the battle. As a result I'll endeavour to curve my enthusiasm and maintain *AC*'s usual high journalistic standards.

Although admittedly my favourite package, it must be said Imagine isn't without its faults, most obvious of which is the program's relatively poor anti-aliasing.

In addition, its accompanying manual is disappointing to say the least – pottering along in a narrative rather than informative style that makes comprehension of this complex and somewhat idiosyncratic package even more daunting than it need be.

Still, even with these drawbacks the program nevertheless offers a degree of modelling and mapping freedom that can only be matched by Real3D v2 – a program which is at least three times as expensive and arguably even more difficult to master. Another minus in the Imagine column is the program's approach to animation. Although reasonable, it's by no means as intuitive as programs such as Caligari which use real-time hierarchtical animation with on-screen paths and graphical motion paths.

In its favour, Imagine boasts ever-increasing third-party support which includes the excellent *Understanding Imagine* reference manual, which for around £20 will solve the aforementioned manual problem instantly.

In a nutshell, Imagine is best described as the ultimate enthusiasts' package, capable of startling photo-realistic imitation of either the real or virtual world. However be warned, there's a step learning curve which demands dedication but can return award-winning results.

Aladdin 4D

Although very respectable as an all-rounder it must be said that Aladdin doesn't really justify its rather inflated asking price.

In addition to the financial problem, modelling is fairly basic in comparison to the others although the latest 3.0 version does promise some major improvements – which include Lightwave-esque lens flares.

On the animation side it's pretty much the same story with good but not spectacular results which lack the intuitive touches offered by Caligari and to a lesser extent Real and Imagine.

Having said that, Aladdin isn't without strong points with the most notable being the generation of gases, a feature which can produce very impressive static and animated images.

However, as seems to be case throughout Aladdin, there is a compromise – which in this case takes the form of very slow rendering.

All in all, the bottom line points to a pretty good package which unfortunately suffers badly when it comes to value for money when compared to the majority of the opposition.

Real3D v2

Although the package is easily the most powerful program around, it's very much an acquired taste, which beginners especially may not find very palatable.

If you have the £400 asking price and the six to 12 months needed to master the package, it simply outguns the opposition. The question is, do you really need that kind of power? And if so, how long will it be before the program let you apply it?

In short, a truly professional program that demands as much time as it does hard cash.

Classifieds

● X-cad designer £40, DPaint3 £15, Advantages s/sheet £20, Top form designer £25. Phone 0622 747486.

● Contacts wanted,100% reply, Mario Abela, "King Aron" , St. Aristarchus STR, Rabat RBT 07, Malta.

● Flashback game £10, Tel: 0362 850706

● Wordworth V2AGA boxed as new. £45 and games £2- £15. G.Moss, 061 626 4175. Oldham.

● Vidi 12 AGA as new £50. Tel 0865 204 356.

● A500 WB1.3 checkmate case. 65Mb. HD 3Mb RAM. 200w psu £200. NFL M/Sync monitor £85 ICD flicker free video £85 accessories, Maidstone 0622 747486.

● GVP A530 120 Mb Hard Disk, 2Mb 32Bit RAM, £350 o.n.o. EXCELLENT CONDITION. Boxed. Phone 0752 343119.

● Contacts wanted. Martin, 61 Dover rd, Southport, PR8 4TH.

As long as your ad is five words or less, it's absolutely free! Should you want more space, you'll find unrivalled value-for-money – for instance, 25 words cost just £10.

Fill in the form below and send it to us with your payments (if applicable) – and remember to include your telephone number!

● Amiga 3000 manual wanted urgently. Will pay. 081 3715 556.

● GVPA530 40Mhz, 120 Mb HD, 4Mb RAM, the best! 071 435 5946 - Phillipe.

● A1200, monitor, games, £475 0293 512384

PLEASE NOTE: We can only accept classified advertisements from bona fide private sellers/buyers. We reserve the right to – and will – refuse to print any advertisement from any company or individual masquerading as such. Don't waste your time and money!

Name ....

Address ....

....

Postcode .... Telephone ....

Classifieds

					FREE
					£6
					£10

Cheques should be made payable to " Amiga Computing"

Please include my advertisement in the next available issue of *Amiga Computing*. I confirm that the advert is not selling illegal copies of software or hardware that do not belong to me. I permit you to publish my address/telephone number only if I have included these details within my advertisement copy. I am over 18 years of age (applicants under 18 must get a parent or guardian to sign below).

Signed ....

Remember to include your phone number/address in the advert as well as on the form!

Send to: AC Classifieds, Europa House, Adlington Park, Macclesfield SK10 4NP

BRIAN FOWLER
Computers Ltd

Commodore AMIGA

11 North Street, EXETER, DEVON, EX4 3QS

AMIGA A1200

New Desktop Dynamite Pack A1200 with Oscar, Dennis, Wordworth aga, Dpaint aga !!! Great Value !!! £349.95 !!!

14Mhz 68020, 2 MB RAM, 3.5" Floppy Drive, AGA Chip Set, 262,000 Colours On Screen and Free On-Site Warranty.

Free Technical Support

£289.95

External Hard Drives. Super Fast --- only £249.99 for 130Megabytes

AMIGA CD32 New

We stock CD ROM Disks



£289.95

Add On Port - connect to another Amiga or PC Only £29.99!

AMIGA A4000 The Ultimate Power Machine!

Choice of Fast Processors. AA Chip Set, 16.8 Million Colour Palette. Superb flicker-free display. 3.5" HD Drive (MSDOS capable), Fast IDE Hard Drive (SCSI Available), 4 Zorro III Expansion Slots. Complete with WB3 and Manuals. Full On-Site Warranty. Various Configurations. Call for compatibility reassurance! These are UK machines, not "grey imports".

030 From £899.99 040 Phone for best deal

USR Sportster Fax Modem 14400bps One of the fastest modems you can buy. — **£289.99**

Expert buying advice, friendly service and excellent support. — **FREE**

CD32 Add-On Port. Connect to Amiga or PC — **£29.99**

CD32 Full Expansion Unit available soon!

Canon BJ10sx Popular and affordable near laser quality Bubble Jet. — **£224.99**

Studio Printer Software Get the most from your Printer — **£49.95**

HP DJ550C Colour Deskjet with full CMYK printing. Superb output! Excellent paper handling! — **£474.99**

MICROVITEC Cub-Scan supports all AGA modes — **£429.99**

Also available, Commodore's 1940 and 1942 monitors. Phone for best prices. — **Phone**

Ask us about Apple Mac and PC Solutions. We know the answers! — **£Phone**

Fed-CASE Flowcharting Code Generator We are the UK Distributors for this excellent product. — **£74.99**

24 bit graphics cards Full selection available. Phone to discuss your requirements — **£Phone**

Hard Drives, SCSI 2 Controllers and Accelerators for the A4000 and A1200

Western Digital	GVP	Hard drives
Caviar IDE drive 128k cache 340 MB - FAST!	A1230 Series II 50MHz Accelerator. Battery Backed Clock &c, &c	Seagate SCSI 2 fast hard drives. Call for sizes & prices. e.g 249MB
£299.99	from £379.00	£299.95

Can't see what you want? Just ring (0392) 499 755 --- we have lots more than we can show here!

Compare Our Prices ! We don't charge extra for Credit Cards or Standard Delivery. What You See Is What You Pay !!!

How To Order

By Post
Send your cheque/Postal order to the address above. Clearly state your name, address, telephone number and the product(s) you require. Prices can change so please phone to confirm price and availability. Please allow seven working days for your cheque to clear.

By Phone
For an even faster service telephone our sales hot line and quote your credit or debit card number. Friendly and expert buying advice is available at all times.

(0392) 499 755

PRICES CORRECT AT TIME OF GOING TO PRESS. E&OE. PLEASE PHONE TO CONFIRM LATEST PRICES.

Monday - Saturday 9.30am-6.30pm

0392 499 755

FAX No. 0392 423480

SWITCH EUROCARD VISA Access

All Prices Shown Include VAT. Standard Delivery Is Free. No Hidden Extras.

AMIGA COMPUTING

ADVERTISERS' INDEX

Don't risk missing your

AMIGA COMPUTING

Hand the order form below in to your local newsagent and s/he will make sure you never miss a copy!

To the newsagent: Amiga Computing should be available from your local wholesaler. If not, contact the Circulation Department at Europress on 0625 878888

AMIGA COMPUTING

Please reserve a copy of Amiga Computing magazine every month until further notice.

☐ I will collect

☐ I would like it delivered to my home

Name: ____________________

Address: ____________________

____

Postcode: ____________________

AURAL ILLUSION

The 16 Bit Sound Processor

16 Variable Effects
Reverb, Echo, Delay, Bounce, Flange, Chorus, Distort, Contort, Phase shift, Phaser, Resonant, Feedback, Resample, Detune, Enhance, Make stereo.

12 Manipulations
Add, Subtract, Multiply, Divide, AND, OR, XOR, GREAT, Invert, Half Wave Rectify, Full Wave Rectify, Flip.

Editing functions
Cut, Copy over, Copy into, Copy all, Scale, Zero.

Samples held in 16 Bit format. All processing done in 32 Bit format. 16 Bit sampler not required, playback through Amiga sound hardware. Loads and Saves 8 and 16 Bit samples. Uses Fast RAM where available. Requires Workbench V2.04 or greater and 1Meg RAM – More recommended.

Price £40 inc P&P and Manual – Free upgrade to V1.1 Only from:-
Blachford Technology, 77 Southwell Road, Bangor, Co. Down, Northern Ireland, BT20 3AE Please allow 28 days for delivery

EdWord Professional V4.1

The latest release of the user friendly shareware text editor is now available. It will run on ALL Amigas (1MB recommended) and has been specifically updated to take advantage of WorkBench 2.0; although it will still function under V1.2 and V1.3. The latest version offers the new facilities...

ONLY **£10.00** (inc. VAT + P&P)

- Edit up to 15 documents at once with an optional split screen facility to view two of them together
- ARexx port boasting over 100 commands. Can run your favourite 5 scripts at the press of a button
- Macro facility to record/playback sequences of keypresses, mouse clicks, menu selections etc.
- PowerPacker support: can decrunch packed files
- Powerful printing options including setting margins, page size, page numbering, draft/NLQ, pitch size, tractor/single sheet, output to a file etc.
- Text Casing facility to force certain keywords into a particular case (e.g. PRINT, WriteLn, printf etc.)
- Ability to define and run 3 separate AmigaDOS commands from within the editor.
- Symbolic Indentation feature which automatically indents your source code as you type it!
- For WorkBench 2.0 users: AppWindow support, an Iconify feature and ASL file requester support.
- Ability to alphabetically sort blocks of text
- Can define the path gadgets on the file requester
- Can assign strings of text to the 10 F-Keys
- Auto Save; Word Wrap; Bookmarks; Built-in Calculator; Match Brackets; Auto Indent; Word Count; Save Icons; Make Backups; Strip EOLN...
- Totally configurable to the user's own taste
- Large and extensive hypertext help system in AmigaGuide format (with viewer program)
- HardDrive install utility (using the official Commodore Installer)
- Send blank disk & S.A.E for demo version

Please make all Cheques/Postal Orders payable to : M.Reddy
Martin Reddy, Lossiemouth House, 33 Clifton Road, Lossiemouth, Moray, IV31 6DP

Super Sound

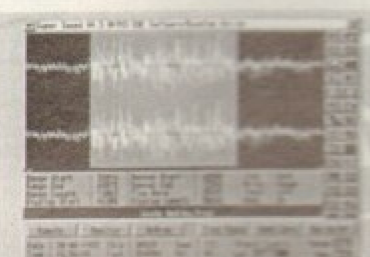
Version 4.12

Mail Order Only
No Credit Cards Please

KBE Software
Dept AC
12 Salters Close,
Werrington,
Staffordshire
ST9 0DB.

"Supersound 4.12 is one of the most advanced sample editors available, easily surpassing the standards of any budget sampler."
Tony Horgan, 93%, CU Amiga Top Rated, September 1993.

"It's got a professional button-like look about it, tasteful and functional use of colour, and the impression of enough features to sink the Titanic!"
Phil Morse, Amiga Computing, October 1993.



- Sampling, Mono 50KHz, Stereo 34KHz
- Automatic Trigger 'VOX'
- Compatible with most samplers including : *Technosound Turbo, Trilogic Sampler, Megamix Master, Stereo Master And Any Generic Parallel Sampler*
- Uses Chip or FAST memory for samples
- Compatible with ALL Amiga's
- Extra programs included, FREE... *The Realtime Effects Generator II*, *'Player' powerful standalone sample player*
- page manual available which includes... *User tutorials, Full Reference Section, Glossary & D.I.Y Sampler Project*, *A FREE Samples Data Disk for the Tutorials*, *Plus a Manual Addendum for the new features*
- Now has over 30 special effects including : *Bass Boost, Treble Boost, Brightness Boost, Lowpass Filter, Highpass filter, Smooth, Echo, Reverb, Variable Flange and Phaser, Variable Leslie, Tremolo, Pan and Wah-Wah*

Buy Super Sound + Manual Now For Just £12, Saving You £4!

We now stock over 100 samples disks with more been added all the time, send £1 for a catalogue disk of all the 10,000+ samples we have!

KBE Software

PRICES	All Prices Include P&P Add £2 Outside UK, £4 Outside Europe
Software	£6.00
Manual	£10.00
Update From V3.x	£3.50
Update From V4.x	£2
Manual Addendum	£1

* Include your original disk for an update

PD-Soft

VISA **CUT, TICK & POST** MasterCard

TELEPHONE 0702 466933 FAX 0702 617123
PD SOFT 1 BRYANT AVE, SOUTHEND-ON-SEA, ESSEX, SS1 2YD

❑ **PD-Soft Font Disk 01**
AachenBold AachenLight AARCOVER Adjutant Agate Albatross Alexandria Alison americanuncial AlanTudey Andromeda Anglo Arabia Architect arabesiteplain AlexAntiqua

❑ **PD-Soft Font Disk 02**
Arctic2 Ariston Ashley Author Avion AvantGarde Baskerville BauhausBold BauhausLight BauhausThin BeckerMedium BEDROCKLIGHT BEESWAX BEFFLE BenguiatBold BenguiatLight BellBottom Benjamin BENJAMINCAPS

❑ **PD-Soft Font Disk 03**
BILLBOARD BINNER BIZARRO Blackwood BlackForest BLADES BlippoHeavy Bodacious BodilyBold BorzoiReaderBold BorzoiReaderItalic BorzoiReaderPlain BUBBLE BubbleGum BubbleBottom EuroBold Cairo

❑ **PD-Soft Font Disk 04**
Caligula Camberic Canoth CascadeLight CarowayBold CHILLIPEPPER Caslonlight ChiTown Cartoon CAVEMAN Chancery CharlieChan Chicago

❑ **PD-Soft Font Disk 05**
Cloister Cochin Columbus Crillee COMARO CRACKLINGFIRE COOPER CooperHighLight COTTONWOOD CSDBlack Cuneiform Dauphin

❑ **PD-Soft Font Disk 06**
Daytona Debussy Devandra DickensBold Dickens Deigollight

❑ **PD-Soft Font Disk 07**
Delegate DIGITALROMAN DubielItalic DINER DINERFAT DINEROBESE Dubiel DUBIEL Dorovar DorovarItalic Dragonwick DrafterLight DUPUYHEAVY DUPUYLIGHT DUPUYREGULAR

❑ **PD-Soft Font Disk 08**
EDDACAPS EIRE ElbjorgScript Elfarrell ELIZABETHANN ENGRAVERLIGHT ErasBlack EstroFont Eurostile Faktos FARQUHARSONFREE

❑ **PD-Soft Font Disk 09**
FetteFraktur Flemish FlemishBold FloraBold FLINTSTONE Fremont FlorenceLight FoxScript Flora FranklinGothicBold FranklinGothicLight FrankTimes FreshScript FrizQuadrataBold FoxTrot FrizQuadrataThin

❑ **PD-Soft Font Disk 10**
FundBook FundBookItalic FusionBold Fusion FutureBold Futura FuturaBold Futuri GALLEDIS Gordon Garton GeneapItalic Gismonda Glacier GlacierItalic GothicShadow

❑ **PD-Soft Font Disk 11**
GoodCityModern GoudyHundred GoudyMedieval GOUDYTWENTY GraphicLight GREGGCAPS Gregorian GRDENING Harlow Harquil Harrington

❑ **PD-Soft Font Disk 12**
Hartings HEADHUNTER Heidelberg Helvetica HelveticaOblique Hermosa HOLTZSCHUE HORSTCAPS Hotshot Housers HowardFat HowardThin IGLOOLASER Inkabod

❑ **PD-Soft Font Disk 13**
IRONWOOD ISADORACAPS Jacksonville JUNIPERTHIN Kaufmann Thin KASTELLAROPENFACE Kathlita

❑ **PD-Soft Font Disk 14**
KelmScott KorinaLight Korinaltalic Koshgarian KRAMER LaserLondon LEESAPS LatinWide LEMIESZ Lilith LightsOut

❑ **PD-Soft Font Disk 15**
LITHOGRAPH LIVIA LowerEastSide LOOPE LOOP Lucida lombardo LucidaBold LuidaItali MACHIAVELLI LucidaBolditalic LowerWestSide MACHINE luxemburg Lumparsky

❑ **PD-Soft Font Disk 16**
MacHumaine Maidstone MANZANITA Marriage MarkerFeltThin MarkerFeltWide MathMajor McGarey MEDICI Medusa MESOZOICGOTHIC MicroTiempo MiamiNights MicroSerif

❑ **PD-Soft Font Disk 17**
Middleton Mira Mistral MonotonyBook Mystical Navern NewBaskerville NewBold NewGarrett

❑ **PD-Soft Font Disk 18**
NewCentury NewsGothic NewsGothicBold Nordic NovareseBK Olympia NovareseBKItalic OldEnglish OldeWorldBold OregonDry OregonWet Orleans

❑ **PD-Soft Font Disk 19**
OswaldBlack OswaldGrey PalatinoBold Paltino ParisianLight Parisian PARISMETRO ParkHaven PeignotLight Phoenix PigNose PixelScreen Pixie PoloSemiScript

❑ **PD-Soft Font Disk 20**
PlayBill PostAntiquaLight PostAntiquaRoman POSTCRYPT PresentScript Rennie Mackintosh RELIEFDECO RELIEFREVERSE Revued RevueThin

❑ **PD-Soft Font Disk 21**
Rickard Murray ROCKMAKER Roissy RoissyBold RoostHeavy Rudelsberg SafariKaps Schwartwald SEGMENT

❑ **PD-Soft Font Disk 22**
SHOWBOAT SHRAPNEL Silicon SLANT SlugFace Slanted Slogan SNOKONEITALIC SNYDERSPEED

❑ **PD-Soft Font Disk 23**
Souvenir Squire STARBURST Style STEELPLATE STENCIL Stymie STRONGMAN Sydney STRONGMANBOLD Tempus TEJARATCHI Tekton Tempo TempoItalic

❑ **PD-Soft Font Disk 24**
TENDERLEAF TiffanyThin TiffanyHeavy TimesLefty Tintoretto TOMANDDEBS Toulouselautrec TOYBLOCK TRIBECA Tyme UMBRATHIN ULTRALINE UltraBlack

❑ **PD-Soft Font Disk 25**
UniversityRoman UtopiaBoldItalic UtopiaBold UtopiaItalic UpperWestSide Upsilon VAGRounded Venus VictorianScript Vireo WALROD WEDGIE Weiss

❑ **PD-Soft Font Disk 26**
Western WHATARELIEF WHARMBY WILLIAMSS WindsorDemi Yamato WOODCUT ZALESKI ZephyrScript ZALEMAN

PD-Soft Presents : Just Pure Fonts

The NEW Font collection. There are 26 disks within this set in two formats Adobe Type 1 or Scalable. Adobe Fonts Work have been test on Final Copy IIb, Page Stream V2.1+ and the Scalable Fonts have been tested on Professional Page V3.0, Page Setter V3.0, Workbench V2.0 and Workbench V3.0. Both types will work with loads of other Amiga packages that can take the font formats. Please State AD "" for Adobe Type 1 and SC "" for Scalable Fonts. **Prices are £3.00 Per Disk or £49.99** for a complete 26 disk set (ie 26 Adobe Type 1 fonts or all 26 Scalable fonts. Ring, Fax or SAE for a Full sized Font Update.

❑ **Adobe Type 1 Fonts** ❑ **Scalable Fonts**

ORDERING BY POST Please tick the boxes to the left of the disk numbers with a coloured pen, Hi-Lighter or just outline the disk (s) you want to order. After selecting your order please fill in your Personal details on the order form provided. CUT OUT or Photocopy this advert and Post to the Address above. Hand written orders are also acepted. Cheques & Postal orders make payable to: PD-SOFT. Ordered before please tick the Account box or just fill in your number which was on the previous delivery note.

COLLECTING DISKS You can now collect any disks at our office address 6-8 Durham Road, Southend-On-Sea, ESSEX, SS1 2YD
EEC (NON UK) When ordering there is a min order of 5 disks please add 17.5% for Airmail postage. Eurocheques are acepted & Cheques drawn on UK Banks
INTERNATION ORDERS Please add 20% to your order's total (Min £2.00) to cover Air Mail postage. Cheques must be drawn on UK Banks. No postal orders

Your Name		A/c No	
Address			
Post Code		Telephone	
Card Card No		Expiry Date	
Signature		I enclose cheque/PO for	£



power*optical*

128MB Optical Internal..........**£779**
128MB Optical External.........**£879**
128MB Optical Disk.............**£39.95**
SCSI Controller A2000...........**£129**

video*backup*



Use a VCR as a backup storage advice, 200 Amiga floppy disks fit on to a 4Hr tape which can be used for an alternative hard disk backup system. What's more you can watch T.V on your 1084s monitor.

£60

floptical*drive*

The Floptical stores 20MB of data on a 3.5" disk (a SCSI interface is required).

Floptical A2000 Kit..................**£289**
Floptical A500 External.........**£389**

syquest*drive*

3.5" Removable HD from Syquest. Each cartridge stores 105MB. Syquest speed is 17ms.

3.5" Syquest SCSI External..**£599**
3.5" 105MB Cartridge................**£79**

scsi*drives*

We can supply SCSI or IDE 3.5" drives in many sizes.

52QMB..**£169**
80MB..**£179**
160MB..**£249**
200MB..**£349**

ide*internal*

2.5" Miniature internal HD for the A600/A1200, (these drives come complete with a cable and installation software)

60MB Internal HD.........................**£139**
80MB Internal HD.........................**£179**
120MB Internal HD.......................**£229**

icd*products*

Trifecta 2000 LX Bare...................**£139**
Trifecta 2000 LX 80MB HD.........**£239**
Trifecta 2000 LX 160MB HD........**£329**
Trifecta 2000 LX 200MB HD........**£399**
Trifecta 500 LX Bare......................**£195**
Trifecta 500 LX 80MB HD............**£295**
Trifecta 500 LX 160MB HD..........**£359**
Trifecta 500 LX 200Mb HD...........**£459**

a600*memory*

1MB RAM with battery backed clock.

A600 Memory..............................**£39.95**

1.5MB*memory*

Fully supports 1MB of chip RAM and compatible with Fatter Agnus. (Requires Kickstart 1.3 and above, not compatible with A500+. Your Amiga needs to be opened , this may effect your warranty)

1.5MB Memory.................................**£85**

1MB*thru'port*

Fully supports 1MB of chip RAM and fully compatible with Fatter Agnus. (Requires Kickstart 1.3 and above, not compatible with A500+. Your Amiga needs to be opened, this may effect your warranty)

1MB Thru' port.................................**£49**

PC501+*card*



High quality memory card comes with 1MB of RAM on-board to expand your Amiga A500+ to 2MB of Chip RAM. (Fits in the trap-door, does not affect your warranty)

£36

a500*memory*

4 Chip 512K RAM expansion with or without battery backed clock. Free software included. (A500+ compatible)

A500 Card with clock **£29**
A500 Card without clock.......................**£24**

a500*8mb board*

Expand your Amiga from 2MB to 8MB of RAM. Plugs into side slot, full auto config. and full through port.

A500 2MB Board............................**£139**
A500 4MB Board............................**£219**
A500 8MB Board............................**£299**

a2000*8mb board*

2MB to 8MB expansion for the A2000. Full auto config., IDE interface and 12 months warranty

A2000 2MB Board.........................**£139**
A2000 4MB Board.........................**£199**
A2000 8MB Board.........................**£289**

new*2MB chip ram*



Increase your Amiga's memory to 2MB of chip RAM, including 2MB 8375 Agnus, easy to fit (internal fitting), unlike every other 2MB chip RAM board currently available you A500 trap memory still works! fully compatible.

£159

special*offer*

PC1208 68882-20MHz OMB RAM board.

PC1208 68882 20MHz......**£109.95**

power*drives*

All Power Computing's disk drives come with a 12 month guarantee. The PC880B is available with Blitz Amiga, Blitz and X-Copy or Cyclone compatible (this drive is only available to registered owners of X-Copy Professional). The drive comes in a choice of two colours, black and cream.

PC880B with Blitz Amiga.......................**£60**
PC880B with Blitz, X-Copy...................**£75**
PC880B with black case (CDTV) **£60**
PC880E Economy Cyclone Comp.. ..**£49.95**
PC881 Amiga 500 internal drive.............**£40**
PC882 Amiga 2000 internal drive...........**£40**
PC883 Dual disk drive **£125**

PC880B*drive*



The award winning external disk drive which includes Anti-click (cures that annoying click), Virus blocker (prevents viruses) and built-in backup hardware. Now available with Cyclone compatible chip.

£60

x-backup*pro*

Extremely powerful disk back-up utility, uses the latest custom chip design. Hardware designed by Power Computing.

X-Backup Pro **£29.95**

A600/A1200 Colour Scanner available soon

Goods are sold subject to our standard terms and conditions of sale and are available on request. Specifications and prices are subject to change without notice, trademarks are acknowledged. All prices include VAT.



telephone *0234 843388*
facsimile *0234 840234*
technical *0234 841882*
(techincal is available from 2-5.30pm)

power *computing ltd*

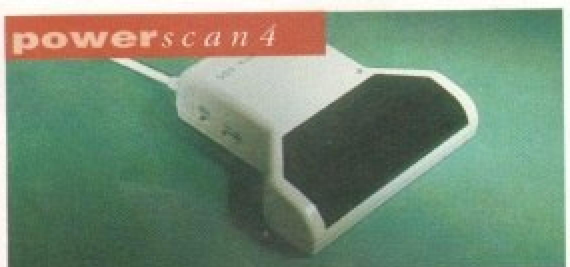
epson*GT-6500*

A high resolution 24-bit colour flatbed scanner from Epson. Scan up to A4 in size on this 600DPI scanner. Comes with PowerScan or ASDG (ASDG is an extra £99). GT-8000 scans up to 800DPI.



Epson GT6500 PowerScan	**£699**
Epson GT6500 ASDG	**£798**
Epson GT8000 PowerScan	**£1199**
Epson GT8000 ASDG	**£1298**
Document Feeder	**£399**

power*scan 4*



Completely re-designed powerful user interface, produce 256 greyscale images (on a AGA machine), scan in 64 greyscales (non AGA Amiga can only display 16), add colour to greyscale images, special effects, new support for 18-bit scanner, add text to scans, available with mono or colour scanner.

£119

power*scanners*

PowerScanner 4 (mono)	**£119**
PowerScanner 4 (colour)	**£239**
PowerScanner 4 inc. OCR	**£159**
PowerScanner 3	**£99**
Scanner 4 Upgrade inc. interface	**£50**
Scanner 4 Upgrade software	**£20**
OCR Junior Software	**£49**
OCR Full Version Upgrade	**£49**

(OCR full version is only available to registered users of OCR Junior)

auto*rom sharer*

ROM Share	**£19.95**
ROM Share inc. v2.04	**£50**
ROM Share inc. v1.3	**£39**
ROM Share A600	**£29**
ROM Share A600 v1.3	**£55**

supra*modems*

Comes complete with English phone cable, RS 232 serial cable, PSU & comms software.

Supra Fax Modem+	**£119**
Supra Fax Modem 32BIS	**£229**

pc*1208*

Power Computings latest 32-bit memory expansion for the Amiga 1200 is now available. The PC1208 uses the latest industry standard 32-bit Simm technology which allows you to use 1MB, 2MB, 4MB and 8MB modules. Simply adding either a PC1208 to your Amiga 1200 will increase its processing speed by 219%, comes with real-time battery backed clock and optional FPU available.

Bare

PC1208	**£69.95**
PC1208 + 68881 20MHz	**£96.95**
PC1208 + 68882 20MHz	**£109.95**
PC1208 + 68882 33MHz	**£119.95**
PC1208 + 68882 40MHz	**£139.95**
PC1208 + 68882 50MHz	**£179.95**

With 2MB

PC1208 + 68881 20MHz	**£139.95**
PC1208 + 68882 20MHz	**£159.95**
PC1208 + 68882 33MHz	**£199.95**
PC1208 + 68882 40MHz	**£225.95**
PC1208 + 68882 50MHz	**£265.95**

With 4MB

PC1208 + 68881 20MHz	**£240.95**
PC1208 + 68882 20MHz	**£269.95**
PC1208 + 68882 33MHz	**£285.95**
PC1208 + 68882 40MHz	**£305.95**
PC1208 + 68882 50MHz	**£347.95**

With 8MB

PC1208 + 68881 20MHz	**£419.95**
PC1208 + 68882 20MHz	**£439.95**
PC1208 + 68882 33MHz	**£465.95**
PC1208 + 68882 40MHz	**£489.95**
PC1208 + 68882 50MHz	**£530.95**

pc*1204*

The original PC1204 4MB 32-bit memory expansion is still available, and is exceptional value.

PC1204 with 4MB RAM

PC1204 with 4MB only	**£185.95**
PC1204 + 68881 20MHz	**£219.95**
PC1204 + 68882 20MHz	**£235.95**
PC1204 + 68882 33MHz	**£259.95**
PC1204 + 68882 40MHz	**£279.95**
PC1204 + 68882 50MHz	**£319.95**

A4000*peripherals*

33MHz FPU	**£60**
40MHz FPU	**£79**
SCSI-2 card (bare)	**£132**
1MB for SCSI-2 (Max-8MB)	*each* **£40**

miscellanous*products*

PowerMouse	**£15**
Optical Mouse	**£29.95**
Replacement Optical Mat	**£10**
100 Branded Disks + Box	**£49.95**
10 Branded Disks	**£4.99**
A1200 Dustcover	**£5**
Maverick 1 Joystick	**£15.99**
Python 1 Joystick	**£9.99**
Apache 1 Joystick	**£7.99**

All Power Computing Ltd products come with a back to base 12 month guarantee. Prices are valid for the month of publication only. E & OE.

xl*drive*

The 1.76MB Disk Drive* can be used with any Amiga. With the 'XL Drive' you can fit a massive 1.76MB on a high density floppy disk, the drive can also act as a standard 880K drive and can also read & write disks written on an Amiga 4000 internal HD drive.

External XL Drive	**£85**
Internal XL Drive	**£75**
A4000 Internal XL Drive	**£75**

*Requires KickStart 2 or above.

exclusive*products*

pc880*upgrade*

Power Computing can now upgrade your PC880 drive from a 880K to a 1.76MB high density drive, all you need to do is check that you have the serial number 'Sony MFD17W-22' on your disk drive casing. (You'll need to unscrew the casing. This does not affect the warranty)

PC880 Interface upgrade £49.95

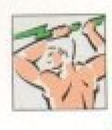
new

disk*expander*

This Easy to use and install expander can add 60% to your Hard Drive capacity. It quickly compresses and decompresses data and is very reliable ensuring no data corruption. It works with all drives, SCSI, IDE, floppies, even RAD disk and is expandable as new compression libraries are developed.

Disk Expander **£35**

order*form*



Return this order form to Power Computing Ltd, Unit 8 Railton Road, Woburn Road Ind. Estate, Kempston, Bedford MK42 7PN

Name
Address
System owned
Telephone No.
Description
I enclose a cheque/PO for £
Credit card No.
Expiry date
Signature

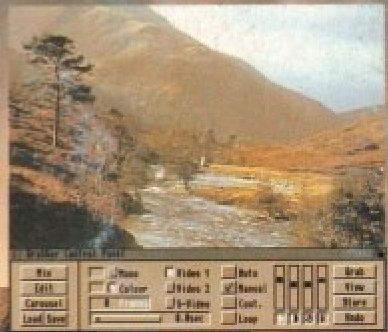
Make cheques payable to Power Computing Ltd

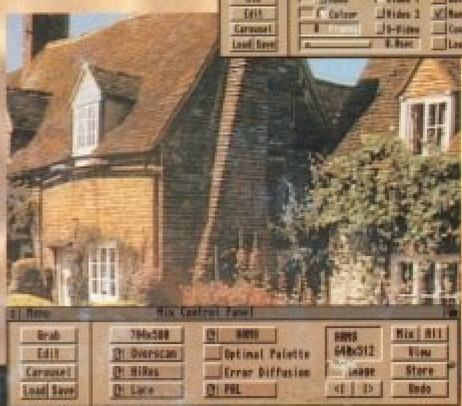
delivery *next day £5.00 2-3 days £2.50 Saturday £10.00*
deliveries are subject to stock availability

New

Vidi Amiga (24) RT

Real Time 24-bit Colour Digitiser





These Images represent the quality of output achievable using Vidi Amiga (24) RT



ONLY £254.47 or £299 inc.

A1200 COMPATIBLE



If you're looking for the ultimate in 24-bit image capture & editing, then look no further ! Vidi Amiga (24) RT offers you features and specification unmatched by any rival. And what's most important is its compatibility. Vidi Amiga (24) RT will work on all Amiga's including A500, 1200 etc.

Finally compare our pricing and I am sure you will agree that no other company can offer you so much for so little !

SOME OF OUR FEATURES..

Image capture at up to full overscan video resolution in all AGA colour modes. Display images up to 1472 x 576.

ANIMATION:
Fully featured Swipe & Play animation workstation.

POWERFUL IMAGE PROCESSING:
Average, Balance, Blur, Brightness, Contrast, Convolve, Drop RGB, Edge Detect, Emboss, Equalize, Exposure, Flip X/Y, Gamma Correction, Negative, Quantize, Saturation, Cut & Paste.

FILE SUPPORT:
24-bit Amiga formats, All AGA Modes, ILBM, ANIM, BMP, PCX, & TIFF.

COMPATIBLE WITH:
Workbench 1.3, 2.0, & 3.0.
Composite, SVHS or Y.C. sources.
A500, A600, A1200, A1500, A2000, A3000, A4000.

Vidi Amiga the Worlds best selling Amiga Digitiser !

Rombo, Kirkton Campus, Livingston, SCOTLAND, EH54 7AZ.
Tel: (44) 0506 414631 Fax: (44) 0506 414634

ROMBO